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The



Works News

January 18, 1929



1928

AT the beginning of the new year it is well to review the work of the past twelve months and to consider the prospects of the future.

During this period the program of rearrangement and consolidation of departments begun in 1927 has been continued, resulting in further increase in productive capacity, improvement in quality and reduction of costs and selling prices, thus enabling us to improve our service to our customers and maintain and strengthen our position in highly competitive lines of manufacture. Fortunately these cost reductions have been achieved by improved shop methods and not at the expense of employees' earnings which have been maintained or increased. Measured by output and number of employees this has been the most successful year in the history of the Fort Wayne Works, including Decatur.

The total shipments were approximately \$24,000,000 at factory cost, the payroll \$9,240,000 and the maximum number of employees 7078 compared respectively with \$21,000,000, \$8,500,000 and 6287 for 1927.

The active unfilled orders at the end of 1928 were approximately \$4,200,000 compared with \$3,000,000 for 1927. This together with the estimates of sales made by the commercial department, promise well for this year and should prove an incentive to greater and more effective effort to the end that we may enjoy an increasing share of the available business.

To my fellow employees I extend congratulations upon the achievements of this year just past, express my appreciation of the continuance of the spirit of loyalty, good will and co-operation which has so long prevailed here at Fort Wayne and wish for each one a large measure of health and happiness and prosperity in the years to come.

Walter S. Goll.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

January 18, 1929

No. 1

414787

After the Party

THE Christmas party staged by the G-E Club this year for the children of all local General Electric employees was a complete success. The committee in charge started with little more than a general idea of what would be attempted, but with the co-operation of a number of employees who contributed displays that they had constructed for use at Christmas time in their own homes, this first attempt at entertaining the children with exhibits of novel toys, small animal pets, balloon souvenirs, and a candy treat worked out very well indeed. A count of the boxes of candy distributed indicates that approximately 3500 children attended the party.

Particularly gratifying was the way the crowd was maintained during the full time of the party. There were enough children on hand awaiting the opening of the doors at 12:30 p.m. to fill the gymnasium comfortably and as these received their treats and left, others came to take their places, keeping throughout the afternoon just a nice crowd. Hundreds of children who were old enough came unattended, so that the youngsters' view of the displays was not unduly obstructed by adults. The employees of the Plant are to be commended on their co-operation in this regard.

At a final meeting of the committee, held a week after the party was given, the general consensus of opinion was that this style of entertainment was an improve-

ment over that used in former years. No doubt a similar party will be given next Christmas.

With the experience of this first party to indicate certain needed improvements, an even more delightful party for the children should be staged at Christmas, 1929.

The committee in charge of the Christmas party wishes to acknowledge its appreciation to all the people who contributed displays and lent a hand in making the party a success.

Those who contributed displays and animal pets were: A. L. Ulmer and wife, William Kaade, Frank Rath-

ert, William Welch, Elmer Witte, Herman Lorts and Mr. and Mrs. A. R. Morgan. Wolf & Dessauer loaned an electric train for the day and it was through their courtesy that "Pete the Clown" was on hand to entertain the crowd. Several of the exhibits were built up here especially for this party and will be available for use in future years. "Butch" Vegalues and Ed Miller alternated in the role of the Santa Claus, and Donald Houser worked all afternoon in Santa's workshop. Pete Dannecker's orchestra, too, was on hand and livened things up with their snappy music.

Those who served on the general committee were: Al Ulmer, Robert Gollmer, Loren Klingman, Neal Hench, Wm. Melching, Harry Rohrbaugh, Hilda Walda, Irene Fox, Carl Baade, Edward Witte, Irene Meyers, Alvin Konow, Lois Miller, Marie Blough, H. Stahlhut, M. Einseidel, X. J. Divens, R. Wylie, E. Koch, Earl McVey, W. Koenig, Paul Grimme, W. J. Hockett, F. G. Duryee and Esther Moll.

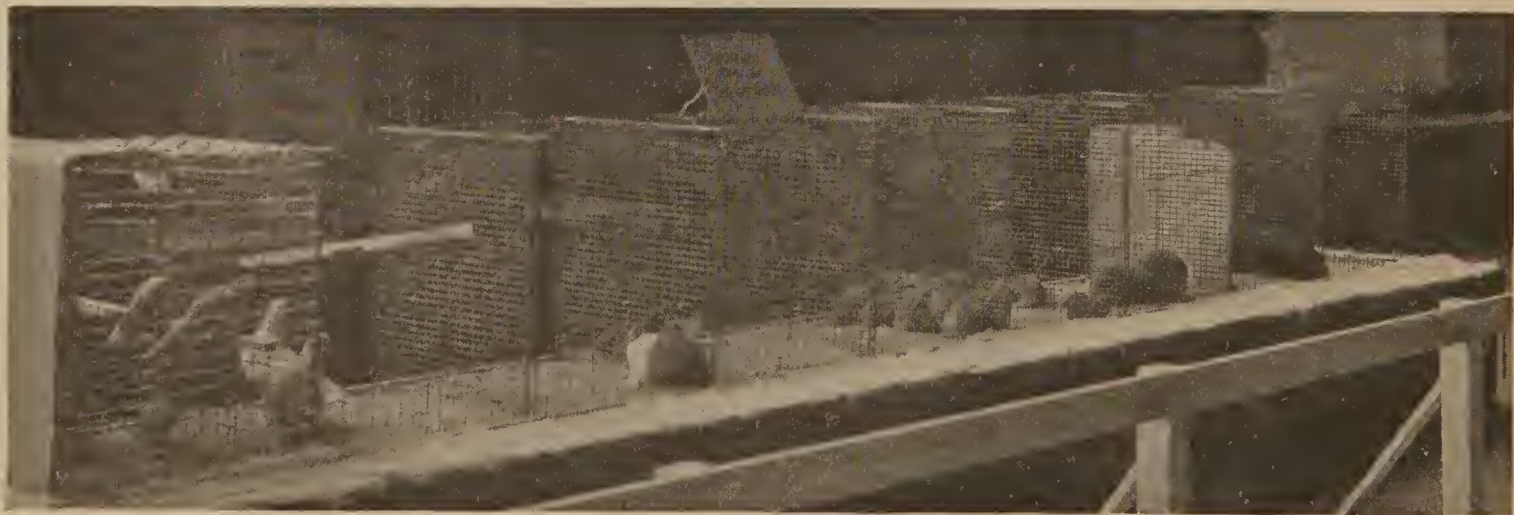


Little Faces Peeping Through the Door



The Tree

Some of the Displays at the Christmas Party





Thousands Viewed These Christmas Decorations

The Christmas Lighting

THE decorative lighting along Broadway here at our Plant again was characterized by everyone as truly beautiful. No doubt nearly everyone in the city drove out this way to see it during the twelve nights at Christmas time that it was turned on. To appreciate it fully it was necessary to see it from several different viewpoints and certainly no single photograph or set of photographs could give an idea of its beauty of color and brilliance. A description of the lighting will not be attempted but perhaps the following data in regard to it will be of interest.

The strings of lights totaled approximately 3000 feet in length, 4800 feet of evergreen roping was used. It required about 3300 incandescent lamps, the red and green being alternated with the white.

There were 24 wreaths with candles, these wreaths being about 2½ feet in diameter and standard 10-watt incandescent lamps used in the candles. The three stars, 3 feet across, each contained 30 white lights of 25 watts each and the one star 2½ feet across required twenty lights of 25 watts. The evergreen bell was 3 feet high.

The big outdoor tree and the one in the G-E club each carried about 300 lights. The smaller tree in front of the office used about 200 lights. The Merry Christmas and Happy New Year signs used approximately 200 lights of 15 watts.

Five transformers of 25 kv-a. rating, individually controlled by magnetic switches which in turn were controlled by the program clock in Bldg. 20, were used in arranging this special lighting. The lights burned from 4:00 p.m. to midnight. The total lighting load was approximately 65 kw.

William Kaade Retires

WILLIAM KAADE, Standardizing Dept., Bldg. 20-2, for many years a core maker in our brass foundry, was retired from active service under the Company's pension system on January 1st. Mr. Kaade was born in Minden, Germany, June 17, 1858. He came to America in 1881, to his brother's



William Kaade

home in Fort Wayne. He then took employment at the Bass Foundry and there learned the coremaker's trade. On October 5, 1897, he came to our Fort Wayne Works and followed his trade of core maker here for 23 years, working all of this time with his brother Ferdinand, who retired in 1926. In 1921 Mr. Kaade was assigned to lighter work in the Standardizing Dept. Since then many have

become acquainted with him through his delivering of instruments to the various testing departments about the Plant. Two of Mr. Kaade's three children are employees here at our Broadway Plant. George, the only son, is in the Apparatus Dept. and Hilda is in the Shipping Dept. The other daughter is married.

Both Mr. Kaade and his wife are in quite good health and live at 1223 Swinney Ave. At the date of retirement he had to his credit a continuous service record of a little over 31 years, and it is to be hoped that he long may enjoy the pension which has been granted to him.

Gloves Are Dangerous To Wear at Work

THIS is the time of the year when there is a tendency to use gloves on account of material being cold.

Your attention is called to the hazard in using gloves around moving machines where there is danger of the glove catching in any part of the machinery and causing an injury.

The use of gloves while working on machines such as drill presses, lathes, rolls, etc., is against the rules. Safety Committee men, foremen and superintendents should all co-operate in seeing that this rule is obeyed.



T. B. Passwater



Arthur Treece



Erna Weiland



Paul Dole



L. E. Klingman



Dwight Kimble

Many Receive Suggestion Awards

FOR suggesting a change in the method of winding the field coils for Vitaphone motors, Harley W. Ward, Bldg. 4-5, received \$250, the largest award made at Ft. Wayne since the last published report. Mr. Ward observed that an unnecessary number of connections were being made by the plan used in building the motors. There are four field coils on each of the four poles of the Vitaphone motor and as these were wound separately, 16 soldered connections were necessary in connecting the field coils of a motor. He suggested that the four coils for each field pole be wound progressively on an arbor so that when finished the four coils for each pole would be connected. This eliminated twelve connecting operations on each motor, an obvious saving of time.

Paul Dole, of Bldg. 26-5, received a \$75 award on his suggestion regarding the supplying of a floating head on the automatic meter base machine for drilling the sealing cover pin hole.

L. E. Klingman, Bldg. 19-5, suggested tinning I-16 thimbles in a solder pot in Bldg. 19-5, Assembly Dept., instead of heating them with a gas torch. His award was \$70.

Dwight Kimble, Decatur Plant, suggested the supplying of an automatic feeding device on the accumulator press for riveting stators at Decatur and received \$50 on his suggestion.

Henry F. Linker, Bldg. 12-B, received \$50 award on a suggestion that waxed paper used by the Fractional Hp. Motor Dept. be purchased in reams cut to the size.

C. J. Lallow, Bldg. 7-2, received \$50 award on a suggestion regarding an improved method of report-



Henry Linker



C. J. Lallow

ing credits for group incentive in the Wire and Insulation Dept., Bldg. 8-1 and 2.

Arthur Treece, Bldg. 12-B, was awarded \$40 on his suggestion regarding re-use of the paper cores received with varnished cambric.

T. B. Passwater, Winter St. Plant, was awarded \$40 on his suggestion of supplying special frames for holding evaporators on trucks at Winter St. Plant.

Erna A. Weiland, Decatur Plant, suggested the supplying of an improved device to measure length of leads at Decatur and received \$25 award.

D. Miller, Bldg. 26-3, was awarded \$15 on his suggestion regarding change to lubrication of presses in Bldg. 26-3. He also received \$10 award on a suggestion regarding the supply of double keys for the presses in Bldg. 26-3.

E. Jerome Fry, Winter St. Plant, received \$10 award on his suggestion regarding change to center lead in base of ice machines.

Hersel Nash, Bldg. 20-2, received \$10 award on a suggestion regarding a change to the L and N recorders used in the factory.

Fifty-six separate awards of \$5 each were made during this three-week period. They went to the following employees on suggestions as given:

Lindsay E. Eastes, Bldg. 4-3, supplying a shield for motors on machine No. 7495 in Bldg. 4-3.

E. J. Frye, Winter St., change to method of repairing certain rejected parts at Winter St.

Ben O. Kochel, Winter St., painting hydrogen brasing furnace at Winter St.

Dan Grotrian, Bldg. 20-1, additional braces for tractor tops.

Gustave Doepke, Winter St., supplying a punch for removing rivets from parts assembled at Winter St.

James R. Stephenson, Winter St., supplying oil guards on miller No. 17528 at Winter St.

Henry J. Hahn, Winter St., supplying blackboards in enamel room at Winter St.

Byron Haugh, Winter St., changing strips on racks for hauling evaporators at Winter St.

William A. Heller, Winter St., supplying a guard at conveyor at Winter St.

Lillian Hollopeter, Bldg. 4-4, supplying a stand for holding leads in Bldg. 4-4.

Robt. W. Miller, Decatur, change to handle at press at Decatur.

H. B. Murphy, Winter St., change to method of oiling and stocking check valve bodies at Winter St.

Earl Greenlee, Bldg. 4-1, change to control for hipot in Bldg. 4-1.

W. C. Grubb, Winter St., change to wiring at test tank at Winter St.

Lloyd Ahr, Decatur, eliminating waste of screws at Decatur.

Harold Federspiel, Winter St., change to seats at 100 deg. test at Winter St.

Roy Utter, Bldg. 26-2, change to method of packing certain radio transformers.

Bessie Chapman, Bldg. 26-2, change to insulation used on certain radio transformers.

Earl Frederick, Bldg. 17-3, supplying a shield at copper shears in Bldg. 17-3.

Stella F. Springer, Bldg. 19-4, supplying a stop at magnet belt in Bldg. 19-4.

Louis Wagner, Bldg. 26-4, improved tool for grinding valve in Bldg. 26-4.

Louis Scherer, Bldg. 2-E, supplying a room East of Broadway for doing plumbing work.

Wallace H. Geller, Bldg. 20-1, carrying a stock of air hose in Bldg. 20-1.

M. Blough and Edith Rempis, Bldg. 26-2, supplying louvers at lavatory windows in Bldg. 26-2.

Donald Voorhees, Bldg. 19-4, changing Y-39 grinding fixture.

Oscar H. Cook, Bldg. 27, supplying punch and die for making washers at Winter St.

Gerald Wert, Bldg. 26-2, supplying a counter for stripping machine in Bldg. 26-2.

Carl Hankel, Bldg. 8-1, change to nuts on re-spooling machine in Bldg. 8-1 to facilitate tightening.

Margaret Lininger, Bldg. 12-1, supplying a counter on cutter in Bldg. 12-1.

M. D. Pillars, Bldg. 4-5, change to switch in Bldg. 4-5.

Darold H. Emerick, Bldg. 26-2, supplying additional lights in Bldg. 26-2.

Lewis H. Clark, Bldg. 19-5, supplying a target for inspector at conveyor belt in Bldg. 19-5.

Guy R. Frazier, Bldg. 26-4, change to phonograph motor governor shaft jig.

Lewis Hickernell, Bldg. 4-5, supplying a draft shield at conveyor in Bldg. 4-5.

Wilber M. Smith, Bldg. 26-1, supplying a light at buffer in Bldg. 26-1.

Stanley A. Emery, Bldg. 26-2, testing certain high voltage bushings in Bldg. 26-2.

Edward H. Kibergar, Winter St. Plant, supplying a crane at Winter St. Plant.

Oscar H. Cook, Winter St., supplying a hook on piercing die for DR-3 box tops to lift work from die.

John S. Clark, Bldg. 19-1, supplying flood valves on drinking fountains in Bldg. 19-1.

W. Paul Bireley, Bldg. 19-5, changing design of screws used in I-18 meters.

Frank A. Epple, Bldg. 19-5, removing pipes in floor in Bldg. 19-5.

Henry F. Linker, Bldg. 12-B, supplying radiators for Bldg. 12-B.

Paul D. Dale, Bldg. 19-1, changing MPC generator brush yoke set screws.

Oscar H. Cook, Winter St. Plant, supplying lights at punch presses at Winter St. Plant.

Robert Lasch, Bldg. 27, insulating steam pipes in Bldg. 9.



The Kids All Liked This One

LaMar Swager, Bldg. 19-4, improved method of spraying washers in Bldg. 19-4.

Gustave Doepke and Walter Schmidt, Winter St., insulating steam pipes at Winter St. Plant.

Merle Binkley, Bldg. 19-4, change to magnet milling machine in Bldg. 19-4 to facilitate adjustment.

Horman Evarding, Winter St. Plant, supplying a chute at conveyor at Winter St. Plant.

R. Ecenbarger, Winter St. Plant, supplying a guard for conveyor at Winter St. Plant.

John Aldridge, Winter St. Plant, supplying a drip pan at conveyor at Winter St. Plant.

Walter Johnson, Winter St. Plant, supplying a guard at conveyor at Winter St. Plant.

Herman C. Macke, Bldg. 4-5, supplying a guard at heat run test in Bldg. 4-5.

George Cooper, Bldg. 4-4, supplying cover for resistance unit at drill press in Bldg. 4-4.

M. L. Brown, Bldg. 20-1, supplying guard on shaft of press in Bldg. 4-5.

March "General Electric"

ONE of the latest musical compositions of John L. Verweire, Bldg. 26-5, the conductor of our Fort Wayne Works Band, has been named "General Electric,"

in compliment to the Company by which he is employed. This composition is a march and a stirring one. It was only recently that printed copies were received from the publisher, the K. L. King Music House, of Fort Dodge, Iowa. Our band included this number on its regular Thursday noon program in the G-E Club on December 20th and repeated it again on January 3rd. Incidentally, the piece was included both times in the first half-hour of the programs which are broadcast over radio station, WOWO. On both of its presentations the number received hearty applause.

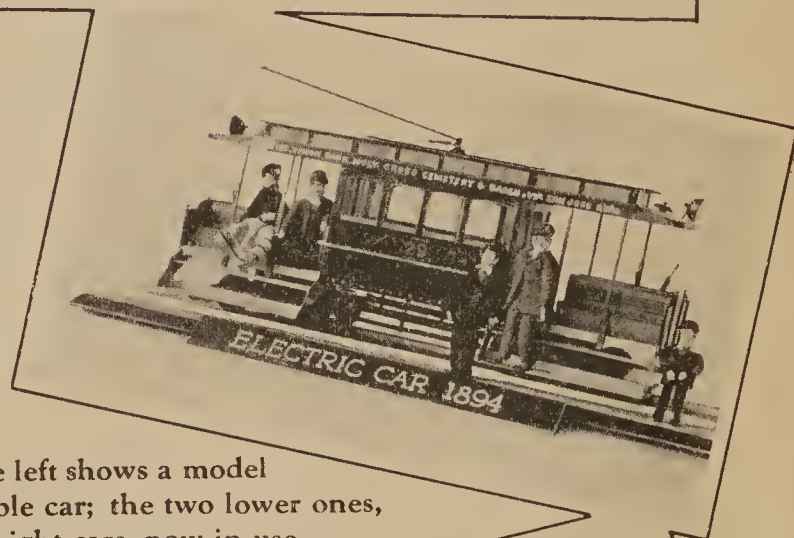
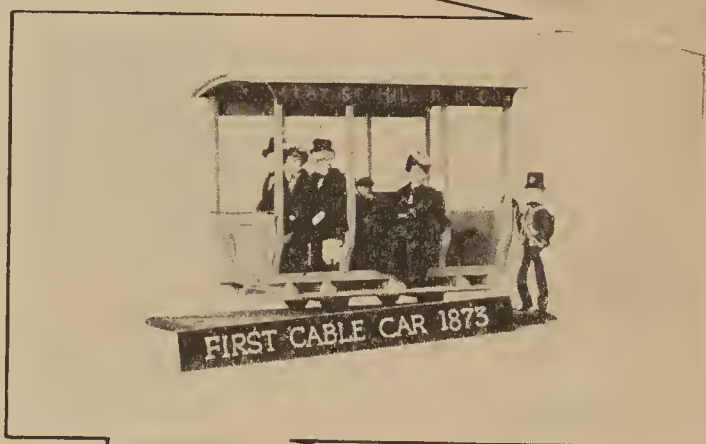
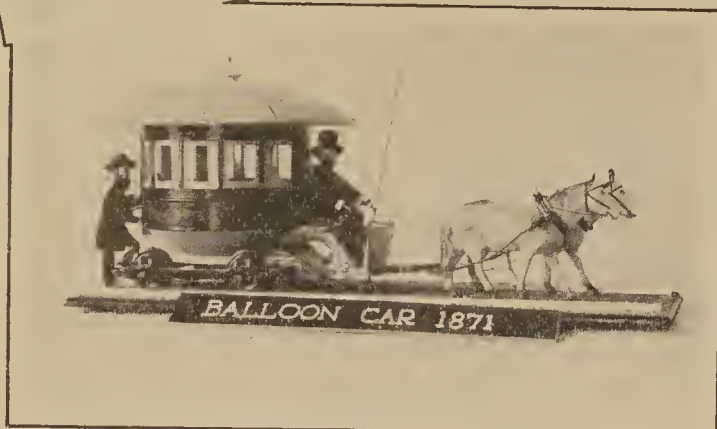
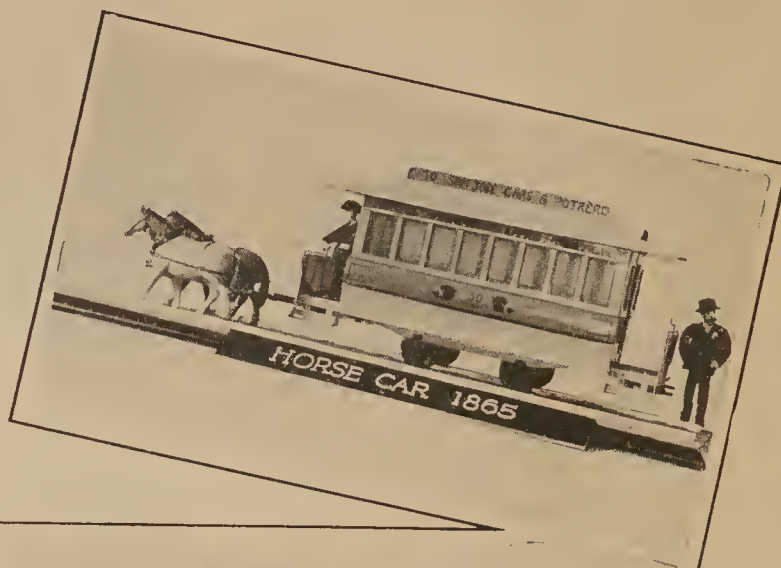
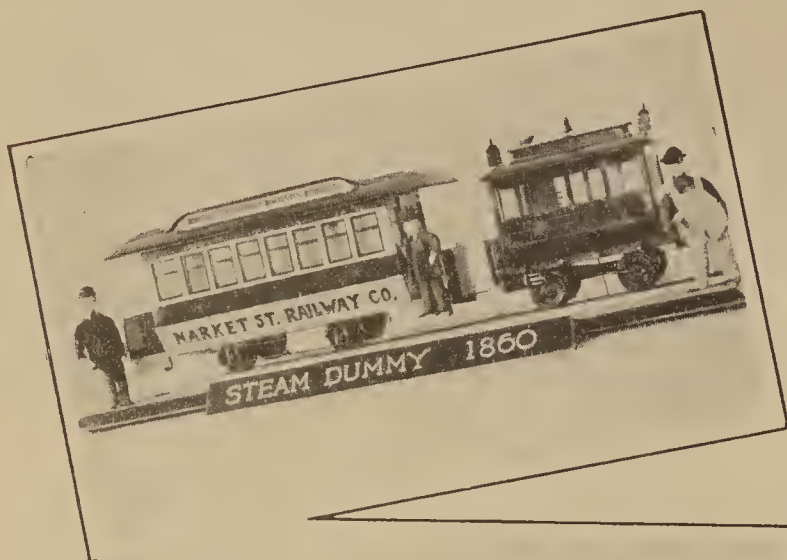
It is of interest to note that Mr. Verweire has received unusual mention in the new catalog of the K. L. King Music House. In large type on a double page spread is heralded the caption "The Gentleman from Indiana has the Floor" and below this "We dedicate these two pages to our Hoosier Friend, Mr. John L. Verweire of Fort Wayne, Indiana's famous composer and bandmaster." On the pages are featured the following compositions of Mr. Verweire: "News-Sentinel" March, March "Concordia", "Joyeux Caprice" and the oriental march "Shireff." The March "General Electric" is featured on the first page of the catalog.

Mr. Verweire has written a number of other compositions including "March Militaire", "Major Corson" March, and "Mizpah Temple" March which have been published besides a number which he uses occasionally that are only in manuscript form. Two of the latter are the "Concert Polka", a cornet solo number and the "American Legion, Post 47" March.

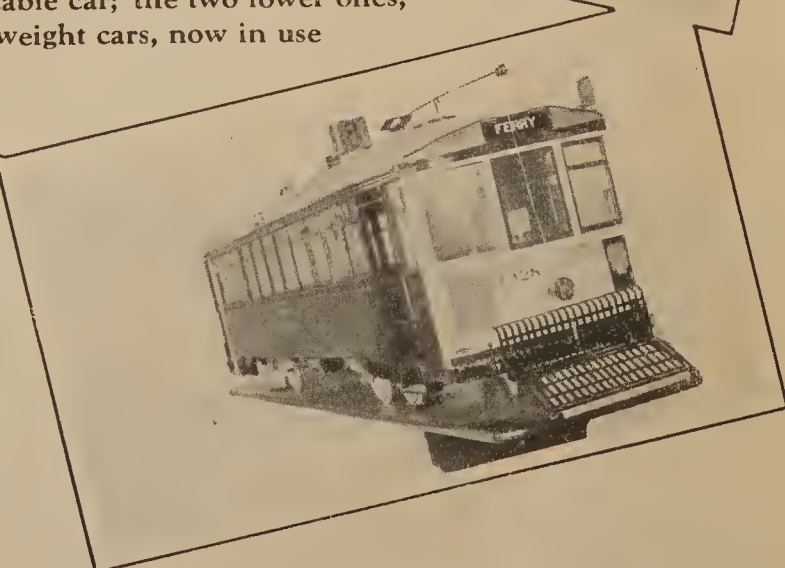
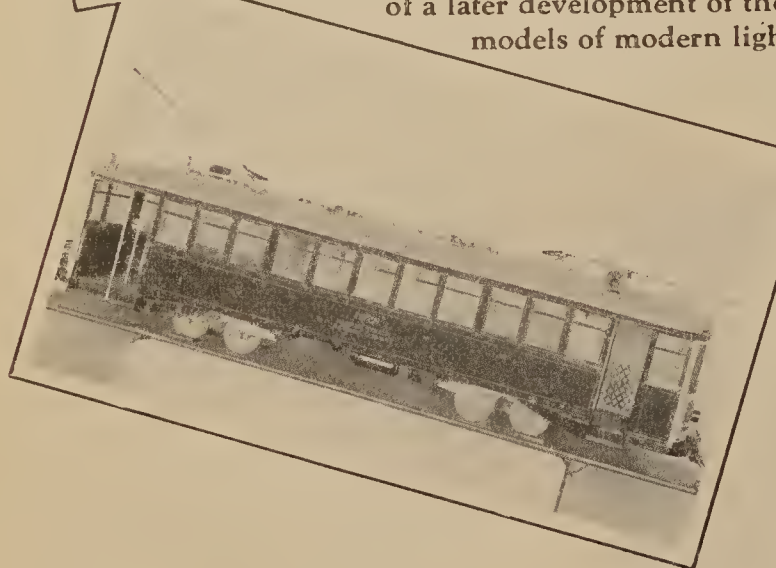


Another of the Displays

The Development of the Street Car



The picture above at the left shows a model of a later development of the cable car; the two lower ones, models of modern light-weight cars, now in use



Our Works Cashier

ON the cover of this issue is a portrait of Robert Müller, our Works cashier. "Count", as he is familiarly known, was born in Hanover, Germany, 60 years ago. After completing his high school education there, or as the Germans refer to it, "finishing the gymnasium," he went to Copenhagen, Denmark, and secured a position with a wholesale grain concern. In 1890 he came to America and out to St. Paul, Minn., where for three years he was in the employ of the Standard Oil Co.

On November 16, 1893, Mr. Müller's unbroken period of service with our Company began. At that time he took employment with the Northwest Thomson-Houston Co. at St. Paul. When the Thomson-Houston Co. was united with the Edison Electric Co. to form General Electric, Mr. Müller was transferred to the Chicago office. From the Chicago Office of the General Electric he went to the Siemens and Halske Co., and after that concern was absorbed by the General Electric, on November 1, 1900, he was transferred to Fort Wayne.

It is interesting to note that during all of these 35 years with General Electric and companies which became a part of the General Electric, Mr. Müller has been handling Company money and confidential payroll work. Such was part of his duties at the Northwest Thomson-Houston Co. and also at Siemens and Halske. When he was transferred to Fort Wayne Works he was given the position of chief clerk in the Accounting Dept. Some years later he was made paymaster of our Works and on January 1, 1916, was appointed to his present position as Works cashier.

Since coming to America, the "Count" has returned to Germany seven times to visit his mother who is still living in Hanover. On his latest visit, just last summer, he found that the living conditions there were again about normal, a sharp contrast indeed to the difficult situation he found there on a former trip soon after the war. That the "Count" believes the

U. S. A. the best place to live and the General Electric a mighty good place to be employed is evidenced by the fact that following his visits abroad he has always been glad to get back to his work here in our midst.

Deaths

Samuel Parker

SAMUEL PARKER, retired, for many years a watchman at the Broadway Plant, died at his home, 1903 Pine St., on December 10th. Mr. Parker was born in New York, February 8, 1860, and came to Fort Wayne 40 years ago. He started his employment at Fort Wayne Works on May 6, 1889. After a



Samuel Parker

period of service with the yard force he was made a watchman and continued as such until May 30, 1925, when he was given a pension and retired from active service. For many years he had been a member of the Quarter-Century club. His only near relative is a sister residing in New York. The funeral was held December 13th at the Mungovan Chapel, and burial was made in the cemetery at Andrews, Ind.

Simon Gray

Simon Gray, elevator operator in Bldg. 4, died at St. Joseph's hospital, December 15th, following an operation. Mr. Gray started to work here at our Plant on June 7, 1917, in the Armature Dept. under Foreman Harry Beers. Later he was transferred to the Annealing Dept. and thence to what is now the General Service Division under Mr. Stahlhut. For some time, however, he had been operating an elevator in Bldg. 4, and was on

duty until December 4th. His widow, Mrs. Sarah Gray, is his only near relative living in this city. The funeral was held December 18th from the Chalfant-Cutshall funeral home and interment was made in Lindenwood.

Henry Nahrwold

Henry Nahrwold, shear operator, Transformer Punch Press Dept., died December 18th at his home



Henry Nahrwold

on Brooklyn Ave. after an illness of only a little over one week of heart trouble. Mr. Nahrwold had been employed here at the General Electric since July 15, 1915, his whole

period of service being in the Punch Press Dept. Surviving are his widow, Mrs. Anna Nahrwold; a daughter, Dorothy, thirteen years of age, and one brother and three sisters. The funeral was held December 21st at Emmaus Lutheran church, with burial in Concordia cemetery.

Standing Committees Are Appointed

THE new president of the Foremen's Club, R. J. Gollmer, recently appointed the following standing committees for the year 1929:

Entertainment: W. Miller, chairman, Art Druce, K. G. Szink, A. M. Snodgrass, R. J. Hoffman and H. E. Hire; *Publicity:* A. C. Hartman; *Sick:* H. Auman.

The first meeting under the new administration was a business meeting held January 16th in which Club activities for the year ahead were given general consideration. A smoker and social session closed the meeting.

On January 29th at a dinner meeting of the club, Herbert W. Heinrich, assistant superintendent of the Travellers Insurance Co. of Hartford, Conn., will be the guest speaker. He will speak on the general subject of Safety, on which he is considered an outstanding authority.

Make That Suggestion!

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Fohn L. Verweire.....Band
J. E. Hall.....Quarter Century Club

Vol. 13 January 18, 1929 No. 1

Safety Paragraphs

Safety Record—1929

THE New Year is the traditional time for making a fresh start. Any other time should be just as good but there seems to be inspiration in something new, whether it be a house, an automobile or a suit of clothes. Have you ever been the proud owner of a new car? If you have it's a safe bet that you were mighty careful of it for the first few hundred miles and if you had continued to give it the same care and attention as long as you owned it, it would have been in much better shape in the end. Just so we are now starting this new year with a clean safety record. We are all full of enthusiasm to set a good record for this year and will probably take pretty good care of it for the first month but in order to end the year with a good safety record this enthusiasm and interest in safety must not die down even for a day.

What will our record for 1929 be? Only time will tell but we have the full year ahead of us and it is certain that our record will be just what we make it.

Looking at your work through goggles is better than looking through the hospital window with one eye.

Safety like virtue is its own reward.

In reviewing our record for 1928 we find that we have plenty of room for improvement during this new year of 1929. However, our 1928 record is not so bad that we need be ashamed of it. The number of accidents per 100 full time employees figured 2.48 against 2.40 for 1927 and 4.21 for 1926. The severity of our accidents figured on the number of days lost per 1000 hours work was 0.603 against 0.635 for 1927 and 1.545 for 1926.

Our record for the month of December, the last month of the year, was one of the best and helped to make our yearly record good. There were only ten lost-time accidents reported during the month of December. Eight of these ten are already back to work, which indicates that our accidents for the month of December were not very serious.

The standing of the various divisions on December 31, 1928, based on the number of lost-time accidents is as follows:

Receiving and Shipping.....	2
Decatur.....	2
Expense.....	4
Tool.....	8
Apparatus.....	12
Meter.....	13
Winter Street.....	14
General Service.....	19
Fractional Hp. Motor.....	34
Transformer.....	41

L. C. SWAGER,
Safety Engineer

Social Session Club Meets

THE members of the Social Session Club spent a very enjoyable evening at the home of Charles F. Baker, 450 Weibke St., December 8th. The evening was spent playing pinochle, bridge and bunco; Sam Z. Sroufe, Edgar P. Ort and George Wilson Cooper were lucky in winning prizes. After the games refreshments were served. The members of the club are Sam Z. Sroufe, George Wilson Cooper, Durbin C. Maxson, Floyd

Steinbacher, Russell Meeks, Fred Schaaf, Joseph J. Cochoct, Lawrence Lemper, Charles F. Baker, all from Bldg. 4-4, and Ernest Etzler and Raymond Porter from Bldg. 17-3. The January session of the club was held at the home of Sam Z. Sroufe, 3417 Euclid Ave.

G-E Squares Dance

FIFTY couples were in attendance at the dance given by the G-E Squares at the Pennsylvania Club rooms, December 13th. The hall had been appropriately decorated for a college dance and the programs were especially designed for the occasion. Earl Gardiner's orchestra furnished the music.

At the regular monthly meeting of the club, held December 4th, five were initiated into membership. They are G. E. Plaisted, M. L. Pillars, M. A. Wasson, M. W. Byrnce and S. B. Cary.

Absent Employees

Mr. and Mrs. Ray Stephenson, the former of the General Service Division and the latter of the Transformer Dept., are patients at the St. Joseph hospital suffering from burns received when a stove exploded at their home. Their condition is fairly good and we all hope that it will be only a short time until they are able to leave the hospital.

Mrs. Nina Hinrichs, Meter Dept., Bldg. 19-5, is a patient at the Lutheran hospital recovering from an operation for appendicitis. She reports that she is feeling fine and is planning to leave the hospital in a few days. Her home is at 1113 Scott Ave.

Frank Duffy, Meter Dept., Bldg. 26-4, has been confined to his home at 1301 E. Wayne Street for several weeks on account of nervous trouble. He reports that his condition has improved but it probably will be several weeks before he can return to work.

Mrs. Alta Lorts, Small Motor Dept., is ill at her home, 3925 Hoagland Ave. She is considerably better and we all hope that it will not be long until she can return to work.

Mrs. Aileen Dunlap, Transformer Dept., Bldg. 26-2, is now at her home at 1214 Francis Street recovering from a recent goiter operation and reports that she is getting along nicely.

Mrs. Jessie Dice, Insulation Dept., Bldg. 12-1, is now at her home, 1002 Woodview Blvd, recovering her strength after a goiter operation which she underwent recently.



By C. M. RIPLEY

THIS year will be a banner one for electrical workers. The radio industry is booming. The dynamic loud speaker is hailed as "the coming thing." New radio sets operating from the lighting socket will be sold by the millions.

The talking movie is a big hit. Television is just peeping over the horizon. The G-E refrigerator is taking like wildfire all over the country. And electricity made them all!

Airplanes now are made by the thousands—every year. Every day American airplanes fly a distance equal to one and one-third times around the earth. Their 16,000 miles of charted routes are soon to be "paved with light." The Department of Commerce plans searchlight beacons *every ten miles* and illuminated emergency landing fields every thirty miles. This will help the airplanes and the electric power companies. G-E is developing instruments for airplanes, lighting for airports and beacons for airways.

And railway electrification is coming in with a rush. Formal announcements have been made by the Pennsylvania, the Philadelphia and Reading, and the Delaware, Lackawanna and Western Railroads stating they will soon start to "do it electrically."

Farm electrification is going up by leaps and bounds. The electrical industry will help the farmers and the sale of machinery and electricity will help us.

Industrial plants are using more and more electric heat and electric welding. Some factories are using more electricity for heating and welding than they do for light and power.

Automobiles (particularly the Ford) employ electric welding to an extent undreamed of five years ago.

All these things mean more output of electrical machinery, and bigger output of electricity by the power companies.

A tremendous amount of new building construction is under way and being planned. And now the complete framework of many steel buildings is being welded by electricity rather than riveted. Automobile experts say that 1929 will be their banner year too.

All such activities mean a lot of electricity will be bought. And, this also helps the G-E Company, because more wire, lamps, sockets, transformers, motors, etc., will be needed, as well as steam turbines, transformers, meters, etc.

Electric ship propulsion is increasing. The G-E research men

have other things "up their sleeve" which when perfected will make still more new products and still more new jobs.

And why this great progress? One of the reasons is the remarkable psychology of the American people in all walks of life—they are eager for the latest and the best device. Hotels advertise "radio in every room." Modern hospitals are so full of electric wires, x-rays, ultra violet lamps, etc., that they resemble research laboratories.

Business men and bankers, merchants, railway men—all have become absolutely converted to electrification. Skilled workers, unskilled laborers, office workers—all have become more familiar with the use of electrical devices—they have come to see that the electric way is the best way for *everybody!*

Economists, labor leaders, and industrial managers all agree that:

(1) High wages are necessary to continued prosperity;

(2) Big horsepower is necessary if high wages are to be paid;

(3) Big horsepower also helps to make low selling prices possible.

Yes, 1929, will be a *wonder year* for the American people and the electrical industry in particular.

Looking Back On 1928

THE year 1928 exceeded all previous years in the volume of production of electric equipment, according to a review by John Liston of our Company.

The dollar value of the total electric product, says Mr. Liston, was increased during 1928, in spite of the fact that, because of numerous improvements in manufacturing methods, it was possible to effect reductions in the prices of certain classes of apparatus and incandescent lamps. Advances in design and improved materials resulted in increased efficiencies in practically every phase of the industry from the generation, transformation and distribution of electric energy to its application and control.

A 94,000-kilowatt tandem compound unit, the largest completed unit of its type, was placed in service, and work was nearing completion on a 160,000-kilowatt tandem compound and a 208,000-kilowatt cross-compound unit, each representing the maximum capacity of its type.

As the result of several years' experience with relatively small steam-

turbine generators operated at 1200 pounds steam pressure in combination with low-pressure steam systems, it was possible to design large machines of this type to serve as the main generating units for two important central station systems. They are the first base-load machines to operate at this pressure.

In the marine field, the second large, all-electric passenger liner, *Virginia*, was placed in commission, and the equipment for two additional ships for this class of service was under construction. Mr. Liston points out that the appreciation of the value of electric propulsion was further evidenced by the construction of two sea-going crafts by England and Italy. With the exception of a fuel-ship for the Japanese navy, he says, these ships are the first large foreign craft to be equipped with electric propulsion.

The electric battleship, *New Mexico*, for the second time was awarded the yearly battle efficiency pennant, and the aircraft carriers *Saratoga* and *Lexington*, each exceeded all previous speed records for capital ships, both over the measured mile course and during

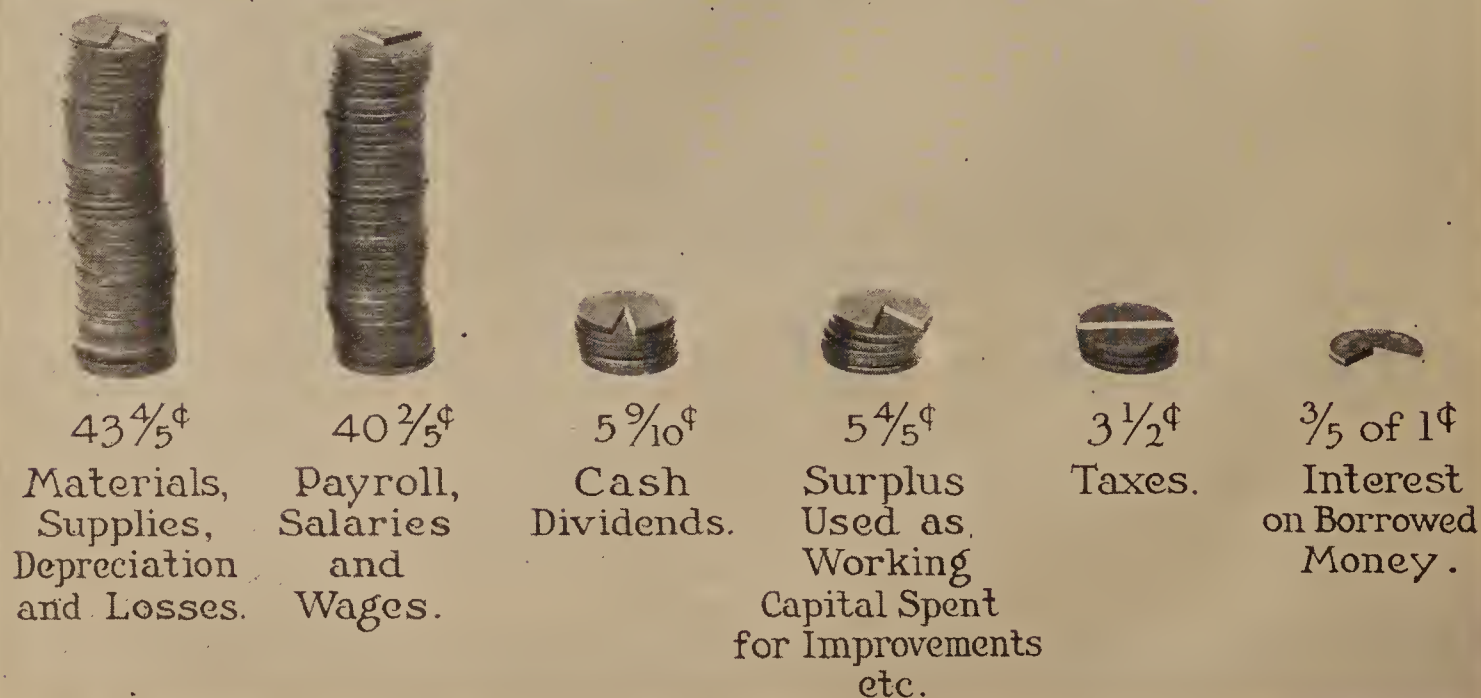
the transit of the Pacific between California and Honolulu.

The work of electrifying the main lines of steam railroads was continued by the completion of the Boston, Revere Beach and Lynn Railroad, and additional mileage for the Great Northern Railroad. Rapid progress was also made in the Cleveland Union Terminal's electrified railway project. Late in the year, public announcements were made by the Delaware, Lackawanna and Western, Philadelphia and Reading, and Pennsylvania railroads in regard to their plans for the early extension of electric operation.

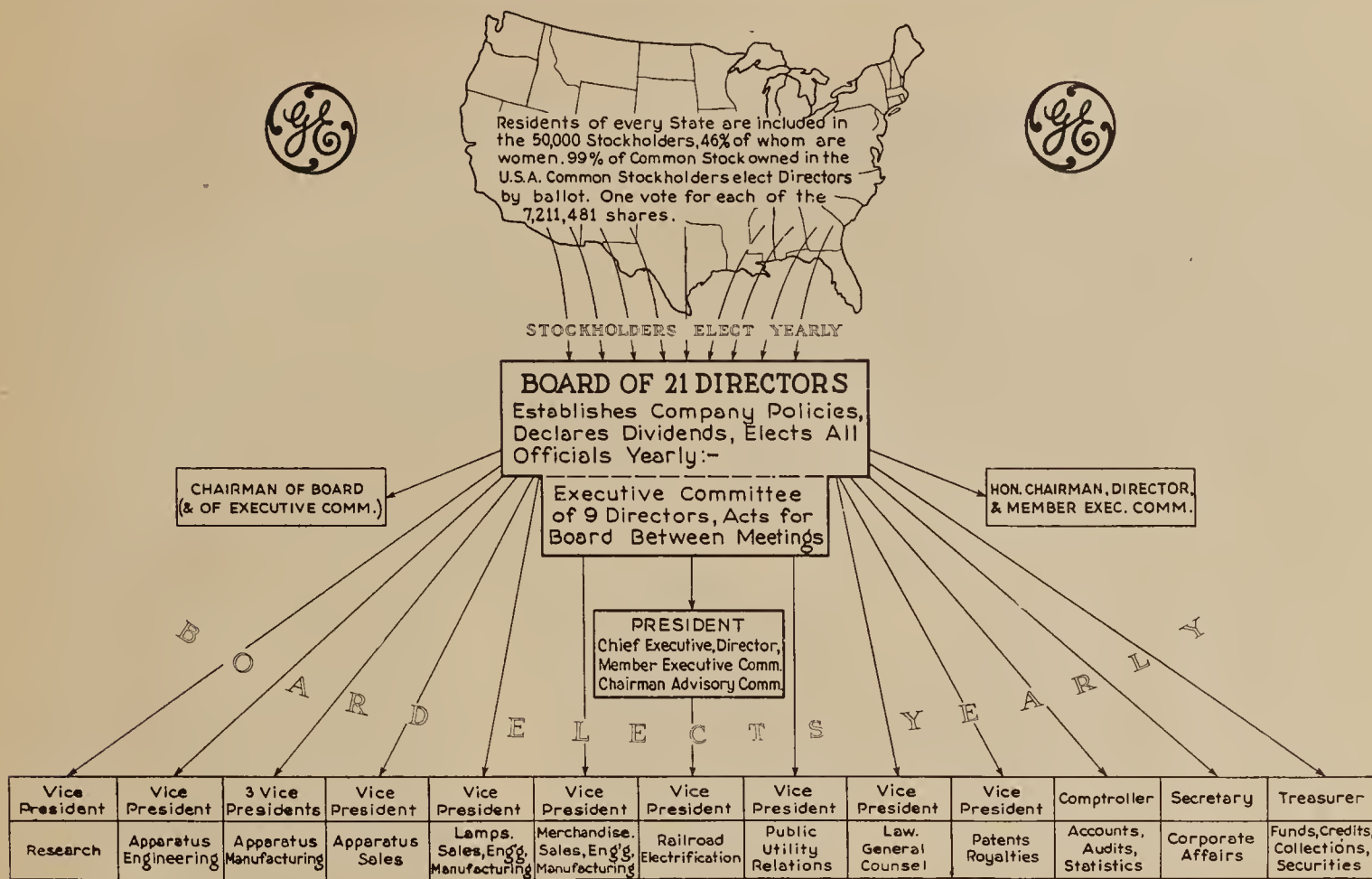
The oil-electric locomotive and the gas-electric type of railroad car were both adopted in larger numbers than in any preceding year. The first main line freight locomotive of the oil-electric type was placed in service.

Concurrently with the increase in mileage of lighted airways, the lighting units for both route and landing field were standardized, and more powerful beacons and floodlights were provided to increase the factor of safety in landing at airports. There were also

WHERE THE G-E MONEY GOES HOW EACH AVERAGE DOLLAR WAS SPENT IN 10 YEARS 1918-1927 INCLUSIVE



CORPORATE ORGANIZATION OF THE GENERAL ELECTRIC COMPANY



developed for use in aviation a device which enables the aviator to determine his elevation above the ground by means of radio impulses; an ingenious type of magneto compass operating on a new principle; and a mechanism which permits with a high degree of accuracy, the measurement of gasoline in airplane tanks while in flight.

The outstanding accomplishments in electrical research, as itemized by Mr. Liston, include the use of the lightning-actuated type of cathode-ray oscillograph, which was applied in the study of lightning phenomena in the field on a truly engineering basis; the production of a 50,000,000-cycle tube with a ten-kilowatt output, and photo-electric tubes of greatly increased sensitivity, which have aided in the notable advances made toward the achievement of practical television. The use of vacuum tubes for purposes other than radio communication was extended to such diverse applications as the control of furnace temperature, the automatic level-

ing of elevators, and the remote indication, control and supervision of the equipment of power stations and substations.

Radio television broadcasts were made at least twice a week during the second half of the year, and an experimental household type of television receiver was produced. A notable indication of the practical advances made, says Mr. Liston, was the transporting of television receiving apparatus and its use many miles from the transmitting station to televise the speakers at a meeting of national importance. This, he says, is probably the first instance of the field use of portable television equipment. Other radio developments worthy of note were daily tests of transcontinental facsimile tele-

graphy and, on three occasions, the maintenance of two-way telephone communication with Australia for periods of about one hour.

There were also produced specially-designed aircraft radio sets suitable for use in single-seaters, heavy bombing airplanes and dirigibles.

The automatic control of generating equipment was applied to a hydroelectric station of 100,000 kilowatts' capacity, and the mercury arc power rectifier was improved in both capacity and performance and utilized in automatic substations to a greater extent than in previous years. A feature which, according to Mr. Liston, has great potential value, was the development of a practical, simplified form of outdoor substation for farm service which enables the farmer to receive current at the normal operating voltages directly from high-tension transmission lines.

Electric welding superseded the noisy riveter in the erection of the steel framework for a number of buildings, and was also utilized for bridge construction.

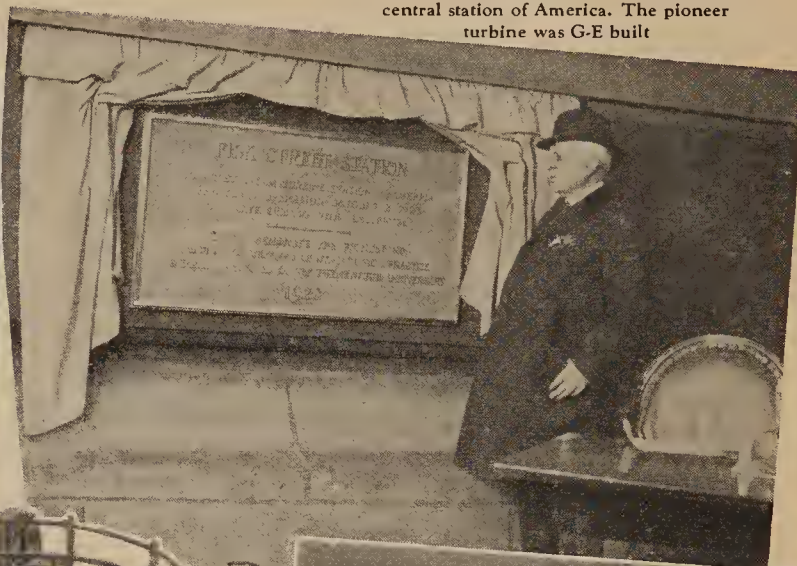
**How Long Since
You've Made a
Suggestion?**

Here and There With the G-E Cameraman

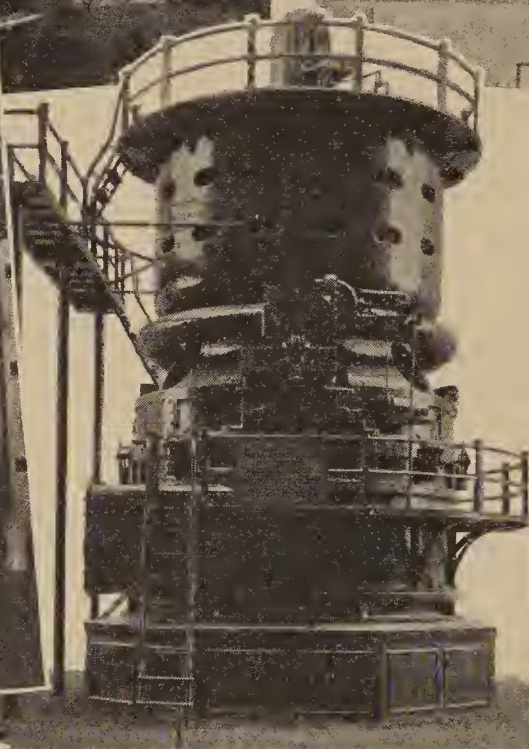
Thomas A. Edison and his son, Charles Edison, snapped in Mr. Edison's library recently while he was broadcasting a radio message



Samuel Insull, the power magnate, unveiling a tablet commemorating the pioneer turbine central station of America. The pioneer turbine was G-E built



Amelia Earhart, transatlantic flier, receiving a G-E Refrigerator for a Boston institution



Original 5000-kw. Curtis steam turbine, installation of which was commemorated by Mr. Insull. Now a monument at the Schenectady Works



New portable aviation field floodlight, developed by General Electric and first shown at the recent International Aeronautical Exposition, Chicago



President-elect Hoover waves to admirers from the G-E electrified U.S.S. Maryland, on which he made his South American good-will trip



President Swope, Vice President Whitney, and Vice President Allen examining the new airplane gasoline gauge, developed in the G-E Research Laboratory

Around the World with General Electric

Colombia

We are so accustomed to seeing airport beacons at night that the sight does not arouse in us awe and wonder. But imagine the astonishment and fear of persons on seeing one of the huge beams searching the heavens for the first time. Not long ago our Colombian Company set up a 24-inch aviation beacon rated at 8,000,000 c.p. on the roof of its Bogota office in connection with a government airport project. It happened that the beam at each revolution fell for an instant on the sacred shrine far up on a neighboring mountainside. A local newspaper the next day reported that the people had seen in the light a crowd of malignant spirits. It represented to them the beginning of the end of the world. Others thought it a meteorological phenomena. Thus the G-E is pioneering all over the world, breaking down fear and superstition, and spreading the gospel of light.

France

The port authorities at Bordeaux have long been concerned with the problem of keeping the channels clear at the mouth of the Gironde River. The sea, with its restless pounding waves is constantly filling them up with sand. But now they will have dredging equipment that is adequate to conquer the forces of the sea. Recently they ordered a marine dredge with Diesel motor and electric drive with an effective suction of 4300-hp. and digging buckets of 2000 cubic meters capacity. Our French company will supply the electrical equipment including generators and exciters, two propeller motors, and all control and signalling equipment.

Illinois

By the use of electric heat, a Chicago lumber company has found that it can dry its lumber in two days time without damaging the wood and at low operating cost. The company has made two installations of electric lumber-drying equipment in its plant which have proved effective.

Australia

In our country we pride ourselves on the magnificence of our huge movie houses and are quite apt to overlook the fact that other countries have theaters as elaborate and well lighted as our own. In Australia, for instance, the G-E supplied complete lighting equipment for one of the newest theaters of Melbourne, "Palais Pictures." The lighting is indirect, using Curtiss X-ray reflectors in cornices, in basket fixtures and behind projecting moldings. The aisles are illuminated during the performances by festoon lamps mounted in housings cast in the chair standards. And the exit lights are arranged to operate in an emergency on batteries.

Pennsylvania

The Keystone Portland Cement Co. at Bath, Pa., opened during July a cement plant with a capacity of 3000 barrels per day. The new plant was completely electrified and was a 100 per cent G-E installation. This customer has now decided to double his plant capacity. The operation of the equipment in the plant has been so satisfactory that in ordering new equipment, G-E material has been specified. Repeat orders always mean satisfaction.

Los Angeles

The tires you ride to work on, the rubbers and raincoat you wear, may be turned out with the aid of G-E motors—that is, if you have the Goodyear brand. Our Los Angeles Office reports the sales of two 400-hp. motors and one 500-hp. motor to the Goodyear Tire and Rubber Company in Los Angeles. The 500-hp. motor will drive four mills and the two 400-hp. motors will drive three mills each. These motors are controlled by full automatic reversing equipment, which is the first of its kind on rubber mill equipment in the territory.

Java

In Java they use G-E refrigerators to keep their cigars dry. And if they still used muskets, they would, no doubt, use the refrigerators to keep their powder dry. For Java is a very moist place. They have more thunder storms there than in any other spot on the earth. At an exhibition in Bandoeng, our G-E representative startled people by keeping the cigars that he handed to prospective buyers dry and smokable in the G-E refrigerator. He demonstrated how the refrigerator took the moisture from the air, by opening the door. In a very short time the icing unit was covered with a thick coat of ice and snow. It freezes the suspended moisture in the air and leaves it dry. On the strength of this demonstration, he sold the refrigerator and gained many new prospects.

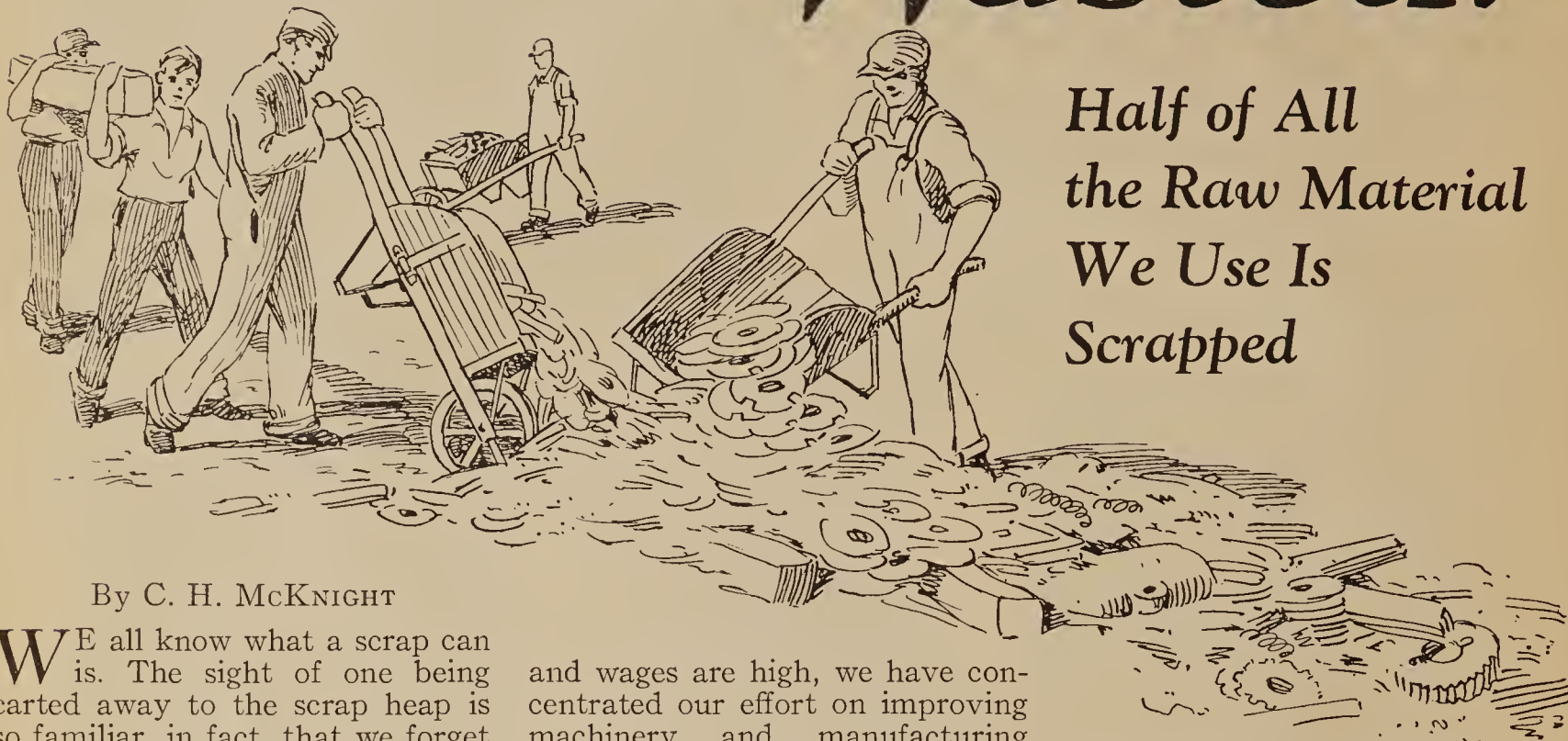
Italy

Early in October in the vicinity of Milan, the employees of the Italian G.E. held a reunion in the form of a sporting festival. Football, tennis, fencing, billiards, walking contests, motorcycle and bicycle races were some of the sports engaged in. The G-E employees competed successfully against teams from another electrical concern although their sports organization is of but recent origin. The prizes were gold medals donated by the directors of the Italian G.E. Sports contests are common enough in Italy, but it is significant to note that this is the first sporting event of such size to be organized by the employees themselves.

New York—Havana

Now comes the announcement that the Ward Line has contracted for two new turbine-electric passenger liners which, when built, will be the fastest turbine-electric passenger ships afloat. Designed for a speed of 20 knots, they will reduce the New York—Havana run from 72 to less than 60 hours. G-E turbine electric drive will be used in both of the ships.

\$20,000,000 a Year -Wasted!



Half of All
the Raw Material
We Use Is
Scrapped

By C. H. McKNIGHT

WE all know what a scrap can be. The sight of one being carted away to the scrap heap is so familiar, in fact, that we forget what an enormous cost to our Company it stands for. The scrap which is produced in our G-E factories in a single year amounts to \$20,000,000! The total direct labor payroll for the whole Company is only twice as much as this!

And out of this huge total the Company is only able to get back about \$3,800,000 on its scrap. The cost was \$20,000,000 in the first place, and the difference is a dead loss to us.

It is hard to believe that so much raw material can be wasted in a single year. But it is true nevertheless. And the reason is perfectly plain. Waste has always been characteristic of American industry, just as it is characteristic of nearly everything in American life. We are the most wasteful people the world has ever seen. It is said that the good food that goes into American garbage pails would feed many a European nation.

And so it has always been with the raw materials of industry. In our country, where these raw materials are comparatively cheap

and wages are high, we have concentrated our effort on improving machinery and manufacturing methods so that the amount of labor necessary would be cut down. This has gone so far now that a French or German manufacturer coming to our country is amazed at our waste of materials which to him are so dear. In Europe the effort has always been in the opposite direction. The European goal has been to use every bit of raw material, and not to worry very much about the development of labor-saving machinery, since wages there are less than here.

But now, in America, conditions are changing. From now on it will be American industry's biggest job to find ways of cutting down on the waste. The same ingenuity which has led to our marvelous labor-saving methods must now turn to the refinement of methods of saving raw materials.

Our engineers in the future will more and more consult with tool designers, with superintendents, with foremen, while the designs are still on the drawing board. In this way material will be handled more economically

when the drawings reach the factory.

Our foremen will realize more and more that a large waste of material is *not* a necessary evil. They will come to realize, and in turn will explain to the men they direct, that *waste is a very unnecessary evil.*

Foremen will analyze their material losses more and more carefully, as time goes on. For only by knowing the dollars-and-cents value of their scrap, week by week, can the fight against waste be made effective. And they will put forth even greater effort to reduce these losses.

And finally, the worker himself will be offered greater inducement, in the form of increased earnings, to uncover and report the sources of waste. The Suggestion System and the wage incentive plan are two ways in which this can be done. Already many employees are regularly increasing their earnings through the Suggestion System. "There is always a better way" to do every manufacturing job. And that "better way" is the one

which will cut down on the amount of waste material left over when the job is done.

Machine-tool builders are making it so easy for us to waste material that we must constantly guard against the temptation to do so. Last year a new type of boring mill, capable of taking a 1-inch cut in steel, was shown at the Cleveland machine tool show.

"If I saw a man taking a 1-inch cut on any machine," said the late J. A. Smith, for years superintendent of the Schenectady Works, when he had examined the machine, "I'd know something was rotten somewhere." Yet, the existence of this machine shows how seldom the factor of waste is thought of.

The story is told of a man in a carpenter shop who never had as much scrap wood and shavings around his bench as the others.

"You're getting lazy," said his foreman.

"No I'm not," said the man. "I measure twice and cut once. The others measure once and cut twice."

That man had the right idea. He kept down the waste.

Last year G-E factories produced

The Department of Commerce has, for the past six years, been engaged in a continuous and exhaustive study of waste elimination in co-operation with industry, and some very definite results have been realized. The elimination of large accumulations of waste material and obsolete equipment presents a new phase in this economic movement and in addition to increasing the efficiency of plant operation there must also be some opportunity for monetary savings in this proposed co-operative movement.

HERBERT HOOVER.

225,000,000 pounds of metal scrap alone. This scrap, when it was bought new, cost \$14,300,000. It was sold for \$3,700,000. The net loss was over \$10,000,000! For every 100 pounds of metal worked in our shops last year, 42 pounds went into the scrap can. When we have waste like this, it is plain that something must be done. It is plain that waste must take first rank among our industrial problems.

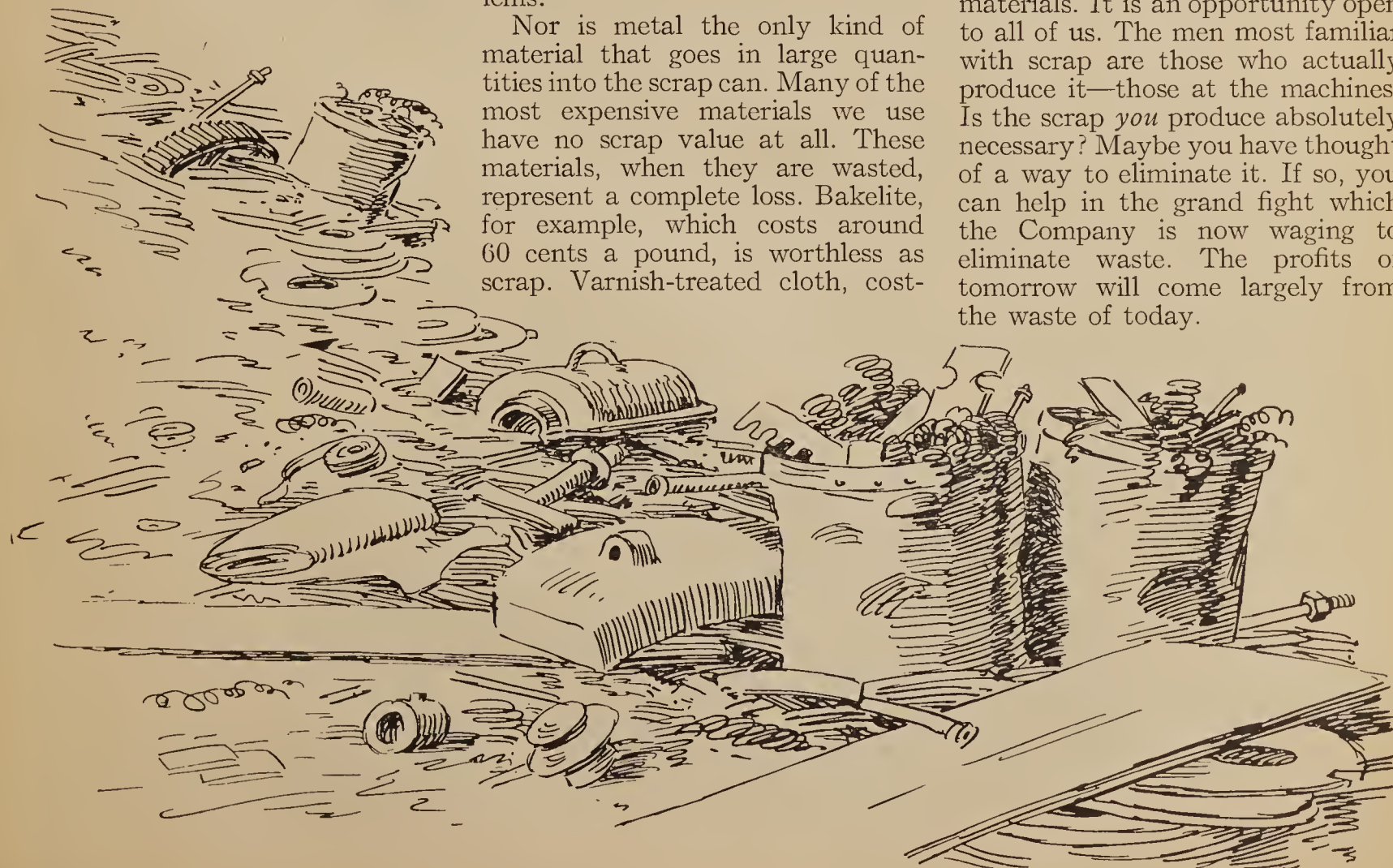
Nor is metal the only kind of material that goes in large quantities into the scrap can. Many of the most expensive materials we use have no scrap value at all. These materials, when they are wasted, represent a complete loss. Bakelite, for example, which costs around 60 cents a pound, is worthless as scrap. Varnish-treated cloth, cost-

ing 35 cents a pound, has no salvage value at all; nor do such materials as fiber, porcelain, slate, moulded compounds, and others.

And there are other sources of material which it isn't so easy to put one's hand on. This article is concerned chiefly with wasted materials. But the type of waste which leaves no visible scrap behind it must be mentioned. A leak in a steam pipe may mean a waste of thousands of dollars a year if it isn't fixed. Hot water, allowed to drip continually, becomes a surprisingly large item of expense in a short time. Electricity costs money; and when it is used unnecessarily it is just as much scrap as metal shavings.

A twenty-million dollar gross material loss in the apparatus works of our Company amounts to nearly 10 cents on every dollar of output. The entire factory payroll of our Company amounts to 21 cents on every dollar of output. What this means is that the lowly scrap can carries out, in its silent march to the "bone yard," a sum equal to nearly half of all our direct labor wages.

A wonderful opportunity, therefore, lies ahead—an opportunity to cut down this huge sum which is now thrown away as scrap materials. It is an opportunity open to all of us. The men most familiar with scrap are those who actually produce it—those at the machines. Is the scrap *you* produce absolutely necessary? Maybe you have thought of a way to eliminate it. If so, you can help in the grand fight which the Company is now waging to eliminate waste. The profits of tomorrow will come largely from the waste of today.



STOCKS BREAK FURTHER

**BOOM SHARES
QUICKLY DROP
5 TO 28 POINTS**

Avalanche of Public Unloading
Blamed for Collapse in Face
of Decline in Call Money

By JULIUS G. BERENS.

Structure built up over the last year
threatened to topple.

It was the severest decline for one
day of which there is any record.
measured by The New York Times
averages. Fifty representative stocks,
not one of which ended the day be-
hind a plus sign, showed an average
net loss on the day of \$6.20, while
twenty-five industrial stocks declined
\$8.96 and twenty-five rails \$3.45.

Hundreds of millions of dollars of
values were wiped out during the
day. All the favorite trading vehicles,
from which thousands of investors have
ridden to huge paper profits, joined
in the down rush, and most of them
ended the day at or near their lowest
levels. The break which started at
the opening with the main body of
stocks selling

**STOCK PRICES BREAK
IN DAY OF SELLING
AS MONEY HITS 12%**

Active Issues Decline 5 to 20
Points, Most Favorites Clos-
ing at Low for the Session.

HUGE PROFITS CRUMBLE

Average of Fifty Representative
Shares Drops \$6.90—Rate for
Funds at 8-Year Peak.

ORDERS SWAMP

Stocks Decline With
Crash and Only Few
Issues Retain Gains

Most Favorite Shares Tumble
from Five to Nearly
23 Points.

Stock market averages:

20 Industrials	150.17
20 Rails	134.55
Today	216.01
Previous day	255.49
Week ago	255.49
Year ago	255.49

Today

Out on the Limb.
Our Gambling Craze.
Grave Alice Is Gone.
If Big Steel Should Fight.

—By Arthur Brisbane.

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ANOTHER sad day in Wall
Street, for lambs that just
guess, or worse still, get tips, and
then buy. Many out on the margin
limb were shaken off. They learn
too late, that "don't gamble" is
sound advice.

Call money dropped from 12 to
10 percent yesterday.

By STANLEY W. PRENOSIL.

NEW YORK, Dec. 6 (AP).—The "Buff"
market, which has been soaring into
high altitudes almost daily since
election day, crashed with a terrific
fall today as the price of more than
100 stocks dropped \$5 to \$25 a share
on the panic-stricken liquidation of a
large army of speculators throughout
the country.

Measured by The Associated Press
average of 20 leading industrials and
20 leading rails, which dropped \$9.45
and \$4.38 respectively, it was one of the
most drastic and sudden drops in
the history of the market. Total sales of
3,422,000 shares were more than a mil-
lion shares above yesterday's total, but
still well below the record of 6,312,500
shares established on November 23.

Rise Starts Selling
Marking up of the Call Money rate
from nine to 12 per cent, the highest
level in eight years, started the flood
of selling orders which started the
down or wiped out the paper profits of
thousands of small traders and left
countless others with large losses. Many
of them in the face of the three week
last three weeks were wiped out. The
market closed irregularly between

CTADY, N. Y., SATURDAY

**BULLS FAIL IN
MIDDAY DRIVE;
MARKET DROP
IS UNCHECKED**

Scores of Stocks Decline
\$5 to \$28 Per Share in
Second Day of
Reaction.

**BILLIONS IN PAPER
PROFITS ARE LOST**

Value of General Motors
Common Drops Over
\$300,000,000 in
Two Days.

By STANLEY W. PRENOSIL.

NEW YORK, Dec. 7 (AP).—For the
second successive day, the stock market
today went through the throes of a
major reaction, which carried scores
of issues down \$5 to \$28 a share.

In two days, paper profits of thou-
sands of large and small speculators
have been wiped out, and the aggre-
gate quoted values of all listed securi-
ties reduced by billions of dollars.
The market value of General Motors
common stock alone has dropped more
than \$300,000,000 in two days, while
U. S. Steel common, Anaconda Copper,
Radio Corporation, Montgomery-Ward and
many other popular indi-
viduals have depreciated to \$100,000,000 in
Messrs.

You never read anything like this about G. E. Employees Securities Corporation bonds. Securities Corporation bonds have an unusually high yield, and are not subject to the violent fluctuations of the stock market

Truck Drivers Must Play Safe

By W. J. HOCKETT, Fort Wayne Works

THE operation of a fleet of trucks serving a plant gives rise to many hazards both to operators and to persons whom the fleet is serving. In our Works (and in the other Works also) we have the small industrial trucks, the large trucks which make deliveries in the city, service cars for special use, tractors and trailers. Some of these larger trucks are operating on the city streets in congested traffic. The small industrial trucks are operating up and down the aisles of factory buildings, going in and out of elevators, through doors, and handling a great deal of material—loading and unloading it.

The experience of most industries shows that about one-third of all accidents are due to the handling of materials. So the very nature of the work done by truck drivers is hazardous.

At one of the G-E plants a group of 41 men has operated 99

vehicles, including trailers and tractors and has handled an average of 3000 tons of material and apparatus weekly, with no lost-time accidents for three years and two months. Some of the reasons for this record follow:

The superintendent and general foreman of this division are each sold on Safety First, and are 100 per cent safety men.

Great care is used in selecting men to drive the trucks. The age limits are 20 to 35 years. New operators are given a week's instruction before they take charge of an industrial truck. The instruction is done by an experienced driver.

A system of reporting accidents is used by the drivers, a report blank being carried by each driver. If anything happens out of the ordinary, such as dropping a box, hitting a door, breaking a casting, or bumping into something, the driver promptly makes a definite report to his foreman.

A short safety meeting is held weekly by the truck drivers, and they discuss their experiences and how to prevent future accidents.

There is a rule that industrial trucks must stop at least six feet in front of an elevator before driving onto it. This gives the driver a chance to test his brakes. And if they are faulty, he can direct the truck away from the elevator shaft.

Operators who use faulty klaxons or ineffective brakes or are otherwise careless are subject to discipline.

New drivers start in on the small industrial trucks about the plants. As they become proficient they are promoted to the driving of heavy trucks.

One of the best safety measures of this fleet is the pride of the truck drivers in their record. If one of them should find another using unsafe practices, he would immediately warn him.



California

Colorado

Lexington

Maryland

West Virginia

The Electric Fleet, and How It Grew

"SEND hands forward to the windlass to weigh anchor!"

And a moment later:

"Half speed ahead with both engines!"

This, followed by a brisk "Aye, aye, sir!" was the way they got underway on even the smartest American naval craft 50 years ago.

Nowadays, on the best-equipped sea-fighters flying the Stars and Stripes, the executive officer, transmitting the captain's orders, telephones to the control room, and the officers at the switchboard move a few handles. A lusty electric motor pulls up the anchor, then the huge electric propulsion motors turn the propeller shafts—and brains do a hundred times as much in an hour as brawn did aboard the ships of the past.

An interval of 50 years or less! A yarn of American ingenuity, foresight, courage! A yarn of American progress, overcoming conservatism!

Much of the credit for this electrical revolution must go to Rear Admiral Bradley A. Fiske, now retired, the man who might almost be called the sponsor of electricity in the navy. Back in the days before the Spanish-American war, when Fiske was only a lieutenant, he had already seen the place which electricity would one day have on board ship. His first real opportunity to prove what electricity could do came one day in 1894, when he was commissioned to apply electricity to the job of turning gun turrets. Two years later he and other naval men were standing before an experi-

mental mechanism in the Schenectady Works of our Company—a mechanism which worked perfectly and was the first large application of electricity to a naval task.

The turrets, once installed, convinced some of the naval conservatives that electricity, after all, had a future. And Fiske became the navy's most conspicuous electrical pioneer. He published an article entitled "Electricity in Naval Life," suggesting every variety of electrical operation on shipboard, short of electrical propulsion.

"That article," he declared recently, "almost ruined my reputation for common sense. It listed me as a crank."

This is what he said in the article: "Let us hope that we soon shall see a civilized modern ship in which there shall be a fine large dynamo-room . . . where power will be generated for lighting the ship, making the signals, hoisting the ammunition, turning the turrets, operating the telephones, hoisting the boats, ringing the bells, weighing the anchor, sounding the alarms, running the launches, firing the guns, steering the ship. And why should we not have a neat electric galley . . . where the meals of all can be prepared in cleanliness and quiet?"

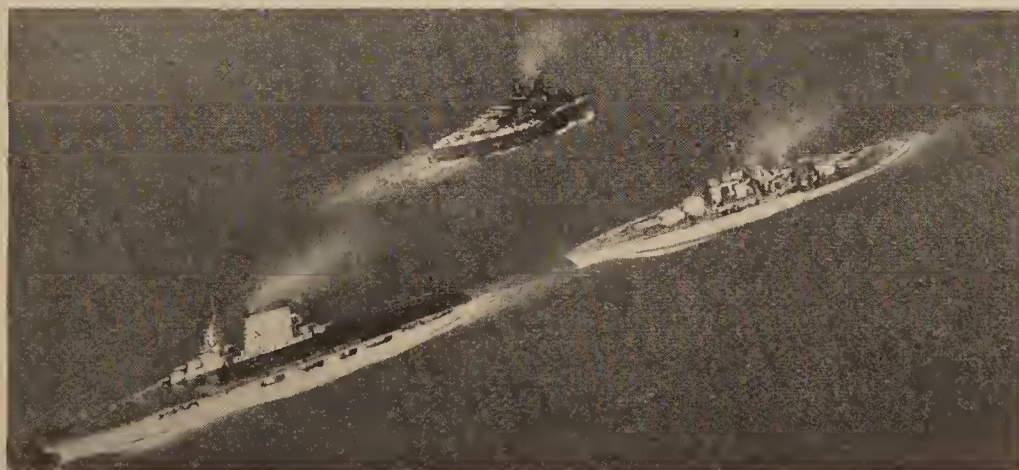
Audacious? More than that—absurd! So many naval men said in 1896. But by the time Rear Admiral Fiske had retired, his prophecies had all come true. And more; for electric propulsion of the ships had also become a reality.

The triumph of the electrically propelled ship is really another yarn—with a civilian engineer, William LeRoy Emmet, of our Company, in the principal part. It took years to revolutionize naval views so that turbine-generators and propulsion motors could be placed upon the battleship *New Mexico* which went into commission just before the nation entered the World War.

And now, in 1928, America has her "electric fleet"—six great ships of the line and two swift airplane carriers. No other navy relies on electricity to drive any of its vessels.

The electric fleet is an imposing flotilla: the battleships *West Virginia*, *Colorado*, *Maryland*, *California*, *Tennessee*, and *New Mexico*, and the airplane carriers *Lexington* and *Saratoga*. (Also the smaller airplane-carrier *Langley*, formerly the collier *Jupiter*, first electrically propelled naval vessel.) The combined weight of the six battleships is 194,000 tons. Compare this with

Dewey's famous fleet at Manila Bay on May 1, 1898, the combined weight of which was only 19,000 tons! Any one of the electric ships of the new electrical Navy exceeds the entire combined weight of Admiral Dewey's whole brave little fleet by considerably over ten thousand tons.



Saratoga

New Mexico

Tennessee

And the airplane carriers! They are the latest triumph. Recently the *Saratoga*, weighing 33,000 tons, achieved a speed of more than 40 miles an hour. To achieve this tremendous speed it was necessary to develop 215,581 horsepower, and it would have been impossible to stop the ship in less than a mile. In reaching this speed, the huge ship behaved much like a speed-boat, the fore part rising high in the water, the stern settling very low.

And on the electric ships electricity does innumerable other tasks besides drive the propellers. Every one of Lieutenant Fiske's predictions has come true. Scores of duties which he did not mention are likewise borne now by electrical shoulders.

Has electricity proved to be "worth its salt?" Since the electric battleship appeared, the navy's battle efficiency pennant, a coveted prize, has been won by an electric ship every year but once. And for 1927-28 the *New Mexico* won, in addition, awards for gunnery, engineering, and communications.

We, of General Electric, have reason to be proud of the performance of these magnificent electrical vessels. In a day when war is rapidly gaining disfavor, it may never be necessary to put them into combat. But their efficiency, their enormous power, the marvelous delicacy with which they may be controlled, show in yet other ways that the tasks which electricity can perform are endless, and that its future is even greater than any of us today can foresee.

Industrial Progress Shown By Coolidge

THE position of the worker in American industry was ably summed up by President Coolidge in his recent message to Congress. He said:

"In its economic life our country has rejected the long accepted law of a limitation of the wage fund, which led to pessimism and despair because it was the doctrine of perpetual poverty, and has substituted for it the American conception that the only limit to profits and wages is production, which is the doctrine of optimism

Death Claims Paid During November, 1928						
Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Add'l Ins.
<i>Schenectady Works</i>						
12	Mar. 10	Stefan Laviecka.....	53	Children	Yes	Yes
18	Oct. 25	James A. Smith.....	55	Wife	Yes	Yes
19	Oct. 26	William L. Baldwin.....	60	Wife	Yes	Yes
22	Oct. 31	Emil DiNicola.....	62	Wife	Yes	Yes
22	Nov. 3	George H. Hammond.....	67	Wife	...	Yes
8	Nov. 3	Howard O. Sackett.....	64	Wife	Yes	Yes
22	Nov. 4	Joseph C. Ellis.....	76	Wife	Yes	...
5	Nov. 8	Willard Cain.....	50	Wife	Yes	Yes
5	Nov. 8	Mary F. Antalek.....	23	Sisters	Yes	Yes
19	Nov. 20	Joseph L. Tompkins.....	58	Wife	Yes	Yes
<i>River Works</i>						
13	Sept. 25	Ernest T. Merrifield.....	42	Daughter	Yes	Yes
11	Oct. 23	Julian F. Cox.....	34	Wife	Yes	Yes
15	Nov. 3	Willard N. Munger.....	60	Wife	Yes	Yes
13	Nov. 10	John A. McNeil.....	57	Wife	Yes	Yes
<i>West Lynn Works</i>						
5	Oct. 29	Sherman W. Finley.....	23	Mother	...	Yes
<i>Pittsfield Works</i>						
5	Oct. 13	Bertha F. Cole.....	26	Husband	Yes	Yes
7	Oct. 24	Reynolds F. Kirkwood.....	31	Mother	Yes	Yes
11	Nov. 16	Adam P. Jadatz.....	43	Wife	Yes	Yes
<i>Erie Works</i>						
10	Sept. 29	John Mekoysak.....	66	Wife	...	Yes
7	Oct. 29	Claude J. Campaign.....	30	Wife	Yes	Yes
<i>Bridgeport Works</i>						
1	Nov. 14	John Imposa.....	25	Sister	...	Yes
5	Nov. 20	Toefila T. Mazejewska.....	38	Husband	Yes	Yes
<i>Philadelphia Works</i>						
5	Sept. 30	Raymond G. Witte.....	37	Wife	Yes	Yes
3	Nov. 2	William C. Fahy.....	39	Wife	Yes	Yes
<i>General Office—Schenectady</i>						
22	Oct. 28	Alfred G. Lange.....	56	Estate	Yes	...
<i>Incandescent Lamp Dept.</i>						
4	Nov. 1	John Reid.....	47	Wife	Yes	Yes
8	Nov. 14	John Sturman.....	42	Wife	Yes	Yes
14	Nov. 18	John E. Ryan.....	36	Wife	Yes	Yes

Claims paid month of November, 1928.....	Free Insurance		Additional Insurance	
	No.	Amount	No.	Amount
Previously reported, 1928.....	283	\$326,699.20	253	\$39,000
Total claims paid 11 months, 1928.....	307	\$358,809.81	277	\$442,000
Total claims paid since November 16, 1925.....	\$2,358,458.50			

and hope because it leads to prosperity. Here and there the councils of labor are still darkened by the theory that only by limiting individual production can there be any assurance of permanent employment for increasing numbers, but in general, management and wage earner alike have become emancipated from this doom and have entered a new era in industrial thought which has unleashed the productive capacity of the individual worker with an increasing scale of wages and profits, the end of which is not yet. The application of this theory accounts for our widening distribution of wealth. No discovery ever did more to

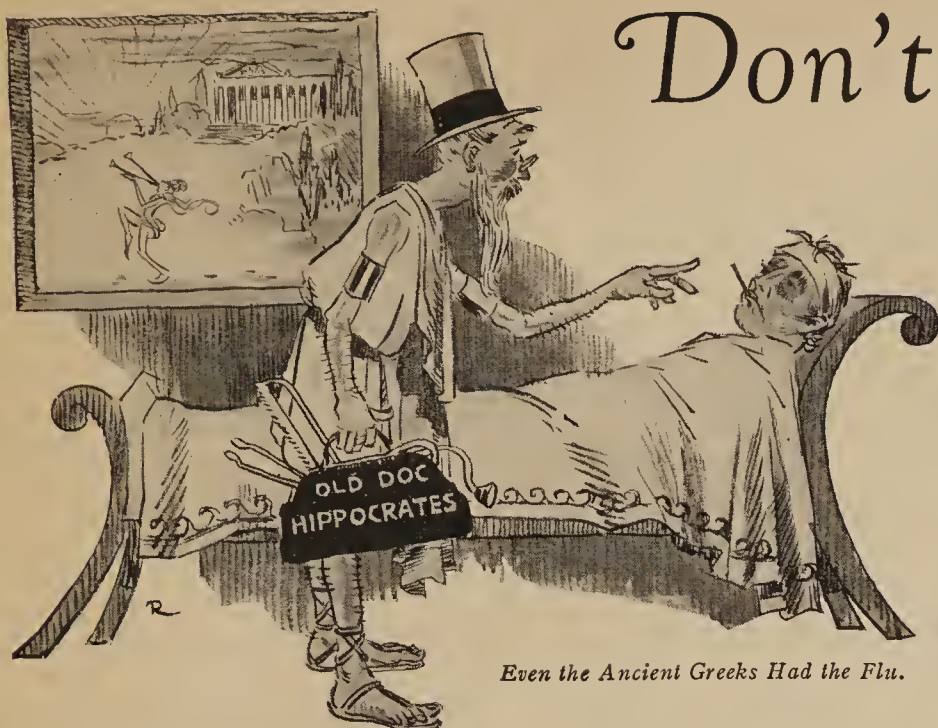
increase the happiness and prosperity of the people.

"Since 1922 increasing production has increased wages in general 12.9 per cent, while in certain selected trades they have run as high as 34.9 per cent and 38 per cent. . . As the rise in living costs in this period is negligible, these figures represent real wage increases.

"The cause of constructive economy requires that the Government should co-operate with private interests to eliminate the waste arising from industrial accidents. This item, with all that has been done to reduce it, still reaches enormous proportions, with great suffering to the workman and great loss to the country."

Don't Get the Flu!

Here Are A Few Pointers on How You May Avoid It



By H. W. GARTON, M.D.

PROBABLY no medical subject is of as much interest to the population at large just now as that of the so-called "Flu" epidemic. It is of particular concern because of the number of people attacked and the economic aspect of its ravages. And it is appropriate for discussion here because we have been discussing "respiratory" diseases, and influenza is a respiratory disease. The following remarks are based chiefly on a statement recently published by the United States Public Health Service, and they comprise a summary of present knowledge of the disease.

Cause

Influenza and la grippe are the same thing, the former being the Italian name, the latter being the French name. It is undoubtedly a disease caused by germs. But since the germ that causes it has not been isolated, we must rely on symptoms to determine whether or not flu is present. These consist of headache, aching in body and limbs, cough, chill, fever, and prostration, the last being often very severe. The severity of these symptoms varies in different individuals. And it is the mild type that is usually called la grippe or grippe.

"Influenza exists to a greater or less extent at all times among all peoples in every country." It has been shown that the disease

is commonest from November to March. A severe world epidemic, known as the "Russian Flu," occurred in 1888; in which nervous disturbances were the outstanding symptoms. In the next severe epidemic, in 1918, so-called "catarrhal" or respiratory symptoms were marked. In both epidemics prostration was an outstanding feature. A study of these epidemics has shown beyond doubt that in itself influenza is rarely a cause of death, but the pneumonias and other complications which follow often cause a disastrously high death rate. Epidemics which, by their description, must have been influenza as we know it, existed among ancient peoples. Hippocrates, father of medicine, in 400 B. C., explained it was due to changes in the wind, and since then many theories have been advanced, such as alterations in the atmosphere, earthquakes, comets, volcanoes. Now we have good reason to believe germs are responsible.

How it is Spread

On first thought it seems hard to explain the sudden appearance and lightning-like spread of flu, after a period of freedom from it. But, remember, it is a germ disease. And individuals have what we call "resistance" to germs; that is, the power to combat disease-producing germs that have been introduced into the body. When this resistance is high we are immune to the germ in question.

Thus, one who has had smallpox is immune to a second attack. But unfortunately, an attack of influenza does not make one immune to further attacks, except for a short time.

This helps us to explain the rise of flu epidemics. We have a starting point in the mild cases which are ever present in certain sections of the country; when resistance against the disease dies out in individuals, and when the virulence of the germ increases after a period of rest, we have all factors ripe for a wide-spread outbreak, or epidemic. It is like a small fire smouldering in the wet leaves at the edge of a mighty forest; it is barely able to keep burning while the brush is wet, but as the forest becomes dried out by the sun the little flame is soon converted into a gigantic and uncontrollable forest fire, stopping only when it has burned itself out.

Being a germ disease, and therefore contagious, influenza is believed to be transmitted from one person to another through the secretions of the nose and throat, by unguarded coughing, sneezing and spitting, the use of common towels, and by hand-to-mouth contact. The handling of objects by children, who are apt to place them in their mouths, one after another, is especially a common practice during this season of the year, and constitutes a common method of spreading the disease.

Prevention

Influenza and other respiratory diseases are best prevented by careful observance of personal hygiene. Following are good rules to observe.

1. Avoid needless crowding. Walk to and from work, as it is good exercise and keeps one from overcrowded street cars.

2. Get as much open air and sunshine as you can.

3. Sleep with windows open and house well ventilated.

4. Avoid people with coughs, sneezes or snuffles, and do not cough or sneeze yourself except into a handkerchief.

5. Wash your hands immediately before eating and keep fingers out of mouth and nose. By shaking hands you may infect yourself by carrying your hand to your mouth or nose.

6. Do not use a napkin, towel, spoon, fork, knife, glass, dish or cup which has been used by another, unless they have been washed or sterilized.

7. Keep up your general health: first, by using plenty of clean water inside and outside your body; second, by eating clean and wholesome food; third, by sleeping at least seven hours out of each twenty-four; fourth, by keeping the bowels regulated.

8. Keep away from houses where there is influenza.

9. Avoid overheated rooms.

10. In case the disease develops, go to bed immediately, and remain there until recovery. A physician should be called at once.

Make It a Masterpiece!

THE New Year is the traditional time for making a fresh start. Any other time should be just as good but there seems to be inspiration in something new, whether it is a house, an automobile, or a suit of clothes.

With the end of the old year companies close their books, figure up their profits and losses, make new plans for sales, production, and set new goals for accident reduction.

Dr. Glenn Frank, president of the University of Wisconsin, whose syndicated editorials are read by thousands of newspaper readers, finds inspiration in a blank sheet of paper. A new canvas or block of marble is a challenge to the artist to produce a masterpiece.

A safety record doesn't come ready made. It requires a lot of patient work and a slip of the chisel may spoil it.

Let's make our 1929 safety record a masterpiece.

Elephants in Kandy, Ceylon, must carry tail lights, according to a municipal ordinance recently passed in that town. Elephants have low visibility after dark.

Securities Corporation Directors Approve Important Personal Changes

A NUMBER of important changes in the personnel of the organization of the G.E. Employees Securities Corporation have recently been made and were confirmed at the meeting of the Board of Directors of that Corporation held in Schenectady on January 14th.

J. R. Lovejoy, who has been president of the Corporation since 1925, and who has in a large measure been responsible for its success, tendered his resignation as president. B. H. Evans, of the Lynn River Works, proposed a resolution of thanks for Mr. Lovejoy's services to the Corporation and this resolution was unanimously adopted. A. H. Jackson then proposed that Mr. Lovejoy be elected chairman of the board and resolution to that effect again was unanimously adopted.

C. N. Mason, for many years president of the Electrical Securities Corporation of New York, was

elected president of the Corporation to succeed Mr. Lovejoy. Prior to his connection with the Electrical Securities Corporation, he was identified with many of the earlier plans for investing the savings of employees of the General Electric Company, his connection with the Company dating back to the year 1891. The Electrical Securities Corporation, of which he is now president, is owned by the General Electric and conducts an investment business in securities of public utilities companies.

Two vice presidents of the Electrical Securities Corporation, W. O. Hays, Jr., and C. P. Hamilton, have been elected vice presidents of the G.E. Employees Securities Corporation. Mr. Hamilton has also been made a director to replace E. W. Rice, Jr., whose resignation as director has been accepted.

Henry W. Darling has resigned as treasurer and director, and Graham Calder, formerly assistant treasurer, has succeeded him as treasurer. L. W. Osborne and J. P. Waite have been appointed assistant secretary-treasurers.

At one of the recent meetings of the board of directors, C. W. Matthews, of the Schenectady Works, was elected a bond director to replace Robert C. Graham, recently deceased, who had ably served as bond director during the past year.

Notices have been placed throughout all of the Works calling attention to the annual offering of G.E. Employees Securities Corporation bonds. These bonds may be purchased by employees on the same terms as formerly: for cash, or by monthly payments deducted from wages. The limit allowed for subscription by any one employee remains \$500 a year. The bonds carry 6 per cent interest, an additional 2 per cent being paid to holders by the General Electric Company. The high total yield together with the security which these bonds offer make them an ideal investment.

What A Bond Director Thinks About It

"I have always been a firm believer in our Securities Corporation and have at all times endeavored to promote its usefulness—not only for the benefit of the Corporation, but for the great benefit and opportunity it affords my fellow workers to attain some degree of independence. My investments in it since its inception show my faith in its soundness and the soundness of the principle of systematic savings, and I have never been able to urge too strongly upon the General Electric workers, to take advantage of the unusual opportunity offered them, of a gilt-edged investment, coupled with what is at this time a very high rate of interest."

CHESTER W. MATTHEWS,
Bond Director,
Schenectady Works.

GIRLS' SECTION

Elex Christmas "Kid" Party

ABOUT fifty girls enjoyed meeting Santa Claus and playing with each other at the Elex Christmas "Kid" party held in Bldg. 16-2 on December 19th. The kids soon became acquainted by reading each other's names which had been pinned on their backs when they arrived, and Addle Kuckuck was awarded a prize for meeting the most girls, as noted on a sheet of paper. It seems strange, but Irene Meyers was awarded the booby prize in this contest. (She probably was too busy to take time to write them down.)

A delightful program was given in the form of humorous readings by Miss Ross, Christmas carols by June Garrison and Jane Webber, and readings by little Elenore Pates, daughter of Mrs. Elenore Pates, Bldg. 17-4. Following this the kids all gathered around the gorgeous Christmas tree and were ready to receive their gifts from Santa Claus. Each one present had brought a 10 cent toy and these were then redistributed by Santa, who required each one to do something in the way of a performance before she could receive her gift. As heretofore, hidden talent was disclosed by this means, for who would have thought that Esther Moll was a grand opera singer?

The time for refreshments having arrived, the kiddies began to clamor for the eats, and raised a shout of joy when they discovered oranges, pop corn balls and candy in a box with a handle on it.

Being thus fortified, they were able to make their way homeward, tired but happy. Before leaving, the girls donated their toys to be given to the orphans' home or some similar group of children.

The next party will be held soon after this WORKS NEWS is issued. Club members should watch the bulletin board for date and other details, and come.

The regular monthly business meeting was held on December 5th as a portion of the weekly meeting. At this time the revised

For the New Year

Think not on yesterday, nor trouble borrow
On what may be in store for you Tomorrow,
But let Today be your incessant care,—
The past is past, Tomorrow's in the air.
Who gives Today the best that in him lies
Will find the road that leads to clearer skies.

—By JOHN KENDRICK BANGS

constitution and by-laws were read and accepted by the members. It also might be interesting to know what Elex is doing in the way of service. A recent donation to the Needlework guild comprised a check for \$30 and \$25 worth of garments, which is exceedingly worth while. The Elex Club also maintains a room at the St. Joseph hospital for the use of its members, for which a discount of \$3 a week is allowed, and if this room happens to be occupied the same discount is allowed on another room. At the close of the business meeting, the regular classes were held, and the Know-Your City class visited the jail, with Mrs. Reeves as leader.

The weekly meeting of December 12th was held with the Federation of Industrial Clubs at the Y. W. C. A. December 19th was the Christmas party, and no meetings were held on December 26th and January 2nd on account of the holidays.

Two Radio Dept. Groups Have Christmas Dinners

A GROUP of employees in the Radio Transformer Dept., Bldg. 26-1, enjoyed a Christmas dinner and exchange of gifts on December 21st. The long table, decorated with evergreen and crepe paper in holiday colors, presented a festive appearance. Frieda Brandyberry, the group leader, was given a beautiful silk umbrella, a Christmas gift from the girls, and Hoy Bastian, the group supervisor, who was a guest, received a Christmas gift from the group.

Present were: Avilene Leslie, Loretta Kamburger, Hilda Greider, Mary Rupright, Leona Nix, Carol Decker, Edith Snyder, Mary Beberstein, Ethel Adams, Pearl Adams, Cecile Pio, Luella Doehrmann, Garnet McCroy, Florence Elward, Hazel Rabel, Marcella Bowers, Bessie

Selby, Opal Rice, Goldie Robinson, Herbert Tyndall, Bernice Dellinger, Waneta Miller, Belva Immel, Mabel Huffman, Frieda Brandyberry and Hoy Bastian.

* * *

Another group of girls in the Radio Dept. went to the home of Mrs. Lillian Garrihan, 1713 Laidley Ave., on December 17th for a potluck dinner. After the food had all been disposed of the girls enjoyed a social evening and had an exchange of Christmas gifts. Besides the hostess, the group included Mary Owen, Agnes Clay, Gladys Cress, Lucile Ream, Velma Ream and Amy Mosier.

Fr. Hp. Motor Eng. Bride and Groom Honored

ON January 4th, Mr. and Mrs. Wayne J. Morrill and Mr. and Mrs. Ray Jones united in entertaining a group of friends at the Morrill home on Maple Place honoring Mr. and Mrs. E. J. Schaefer, a recent bride and groom of the Fractional Hp. Motor Engineering Office, Bldg. 18-4. The party was a surprise shower for the Schaefers, but there was also a surprise for Mr. and Mrs. E. Michelson, a bride and groom of last August, who were given a kitchen shower. Bridge and dancing made the short hour seem all too short, and later in the evening a delicious luncheon was served.

The guests included Mr. and Mrs. E. J. Schaefer, Mr. and Mrs. E. Michelson, Mr. and Mrs. Ray Lindemuth, Mr. and Mrs. Harold Carter, Mrs. Michael Schaefer of Baltimore, Maryland, Mrs. Winifred Hormel, the Misses Marian Plice and Dorothy Hormel and Messrs. L. F. Hemphill and J. J. Shelly.

Radio Transformer Office Has Christmas Dinner

ON December 20th, employees in the Radio Transformer Dept. Office, Bldg. 26-2, partook of a sumptuous Christmas dinner served in the office in Bldg. 26-2. Two desks and a wide board made a nice long table around which the folks gathered and soon most of the

delicious food had disappeared. After dinner there was an exchange of Christmas gifts and not one person was slighted.

In the group were Russell Harruff, Russell Cummins, Wm. Kline, F. E. Elder, R. Saul, Berniece Riley, Marie Blough, Thelma Johnson, Dorothy Bender, Opal Shook, Elda Lipp, Jennie Wright and Mabel Liggett, a former employee of the department.

Meter Dept. Office Girls Have Christmas Dinner

THE girls of the Meter Dept. offices, Bldg. 19-5, had a potluck Christmas dinner and gift exchange in Mr. Snodgrass' private office, December 20th.

Seated around the long table were Mrs. Mary Thomas, Ruth Martin, Hilda Ulmer, Marcella Kirkhoff, Kathleen Nelson, Elizabeth Genther, Bernice Jordan, Thyra Havel, Helen Harrod, Velma Linnemeier, Marie Buckley, Mildred Stoll, Genevieve Pelz, Eva Corchran, Collette Mettler, Helen Bleeke, Elma Witte, Ruth Fulton, Marian Kramer and Lenora Schoppman.

Weddings

Schweizer-Kroemer

Gertrude Kroemer, Service Bureau, Bldg. 18-2, and Carl Schweizer were married December 29th. The ceremony was solemnized at the Redeemer Lutheran church with Rev. C. W. Baer reading the service. Edith Kroemer, a sister of the bride, was bridesmaid and Paul Schweizer attended his brother as best man. After the ceremony a dinner and reception were held at the home of the bride's parents, Mr. and Mrs. Henry Kroemer, of the Auburn road. Later in the evening Mr. and Mrs. Schweizer left on a motor trip through the east.

Schaefer-Hormel

The marriage of Hildegard Hormel, Fractional Hp. Motor Engineering Office, Bldg. 18-4, and Edward J. Schaefer, an engineer in the same department, took place December 25th, at the rectory of St. Patrick's Catholic church with Rt. Rev. Msgr. Joseph F. Delaney officiating. Dorothy Hormel, a sister of the bride, and Joseph Shelly were the attendants. Later, Mr. and Mrs. Schaefer left on a short wedding trip and are now at home at 215 W. Leith Street. Mrs. Schaefer is the daughter of Mrs. Winifred Hormel, Material List Dept., Bldg. 18-5, and Mr. Schaefer is the son of Mr. and Mrs. Michael Schaefer, of Baltimore, Md.



DEAR G-E JUNIORS:

From the nice jolly letters that I received I know that you G-E Juniors had good times during the Christmas holidays and received lots of lovely gifts. Some of you attended the big G-E Children's Christmas party on Saturday afternoon before Christmas and enjoyed it very much. Helen Hickman thought the decorations were the most beautiful that she had ever seen, Geraldine Gidley liked the "farm scene" and thought the rabbits and monkeys were very cute. Dorothy Gebhart admired the beautiful Christmas tree, she wrote me such a nice long letter about the Christmas party. I liked the party, too, the little village with the lights and the train that never failed to stop for the red light was so pretty. There were so many interesting things that I can scarcely think of them all. Mary Belle Prince wrote to me using a little typewriter that her Daddy gave her for Christmas and Dorothea Eylenberg wrote me on some pretty pink stationery that was a Christmas gift also.

I am glad that all of you liked the Christmas puzzle and every one who sent me a solution found at least 25 objects beginning with

the letter "c" and most of you found more than 25. Prizes were sent to Ruth Swank, Dorothy Gebhart, Esther Braun, Doris Line and Mary Belle Prince at Fort Wayne and Jeanette and Virginia Beery at Decatur. I was very much pleased to get letters from some new G-E Juniors and I hope they will all write to me again next month. I received letters from the following G-E Juniors: Dorothy Wyss, Eugene Wyss, Reginald Gerig, Richard Gerig, Warren Zelt, Bonnie McSorley, Dorothy Eylenberg, Berniece Moore, Edmund Locker, Winifred Locker, Frances Emrick, Helen Hickman, Dorothy Gebhart, Ruth Rose, Esther Braun, Gwendolyn Horn, Vera Louise Kruege, Harry McClure, Alice Moritz, Mary Belle Prince, Virginia Blackburn, Arno Schelper, Helen Kessen, Geraldine Gidley, Dorothea Prange, Dorothy Jane Canada, Victoria Westling, Doris Line, and Ruth Swank from Fort Wayne and Jeanette Beery, Virginia Beery, Catherine Jackson and Sephus Jackson from Decatur.

I suppose each one of you made a lot of New Year's resolutions. If you did, I know you are trying awfully hard to keep them, so for

During 1929 I Resolve to:

Clean my shoes outside the _____,
and not track mud upon the _____.

Help my mother with the _____,
and never any duties _____.

Study lessons every day,
before going out to _____.

Play to win but never _____,
if I loose, I'll admit defeat.



Fill in the Blank Spaces With Words that Rhyme

our puzzle this month we have written some New Year's resolutions in rhyme but left blank spaces at the ends of some of the lines. See if you can think of the words that fit in the rhymes. Perhaps the pictures following each rhyme will help suggest the word to you. I hope each one of you have made a New Year's resolution to write to me every month and send your solution to the puzzle.

Sincerely yours,

Jill

Payroll and Accounting Depts. Have Christmas Party

THE annual Christmas party of the Payroll and Accounting Depts. was held December 13th in Bldg. 16-2. The tables were decorated with miniature Christmas trees and red and green paper streamers attached to red taper candles. Red and green nut cups and place cards marked the place of each guest. Clem Schnieders acted as toastmaster. Responding toasts were made by Mr. Muller, Mr. Crise, Mr. Brudi, Mr. Waldschmidt, Mr. Kunstman and Alma Olson. Other numbers were: recitations by Vera Jane Crise, Blanche Bauer and Dorothy Bixler; vocal solo, Louise Borgman; piano solo, Erma Somers; saxophone solo, Arnold White, accompanied at the piano by Vera Hevel, and a chalk talk by Joe Oddou.

After the dinner hour, a trio, Erma Somers, piano, Clarence Koch, banjo, and Arnold White, saxophone, furnished music. Aimee Kaumheimer gave a reading. A playlet, "The Mothers' Reform Club," was given by Dorothy Bixler, Ann Walbrun, Naomi Armstrong, Blanche Bauer, Leona Quinn and Deloras Orr. Joe Oddou, the photographer, arrived on the scene but found the camera to be no good.

Previous to the party the folks had been divided into groups, captains elected and each group required to present a stunt. Group No. 1, Dorothy Bixler, captain, presented a parody on a group of grand opera singers which caused much merriment. Group No. 2, Martin Kunstman, captian, cleverly depicted the stages of progress in

methods of paying employees, from the ages when people were paid with bags of grain, precious stones or other articles to the present time when bank deposit slips or checks are used. Group No. 3, the prize winning group, Erma Somers, captain, represented a family gathering on Christmas Eve. Mr. Muller represented the father and Alma Olson the mother, while the other members of the group were children. Santa Claus with his reindeer entered this happy family and led the way to the Christmas tree where he distributed the gifts.

Enjoying this affair were: Mr. and Mrs. J. W. Crise and daughter, Mr. and Mrs. Robert Muller, Mr. and Mrs. Harold Brudi and son, Mr. and Mrs. Martin Kunstman, Mr. and Mrs. L. J. Schnieders, Mr. Clem Schneiders and children, Mr. and Mrs. George Waldschmidt and son, Edna Voirol, Louise Borgman, Blanch Bauer, Helen Gnau, Edna Sarrazen, Ann Walburn,

Erma Somers, Leone Quinn, Ruby Kuhn, Ruth Bell, Naomi Armstrong, Dorothy Bixler, Vera Hevel, Dorothy Osborn, Alma Olson, Deloras Orr, Helen Litot, Herbert Koch, George Yarian, Gene Gotch, Clarence Koch, Harry Reinking, Richard Keller, Joe Oddou, Arnold White and Harold Simmers of the Broadway Works, Carolyn Holz, Ann O'Brien, and Aimee Kaumheimer of Winter Street Plant, and Katherine Hyland, Fern Passwater and Bernita Tanvas of the Decatur Plant. Laura Quaintance of Lafayette was a guest.

Those in charge of this affair were Alma Olson and Dorothy Osborn. The refreshment and decorating committee consisted of Deloras Orr, Helen Gnau, George Yarian, Clarence Koch and Joe Oddou. The music committee consisted of Erma Somers, Wilbert Blomberg and Louise Borgman and the Christmas exchange was in charge of Naomi Armstrong.

On Teaching Them to Drive

The Sweetheart

To learn to drive the auto dear,
First put the lever into gear,
Then push your left foot in like this,
That's fine. Now teacher gets a kiss.
Now step upon the starter, so;
That makes the precious engine go,
Now let your left foot back like this,
Good, teacher gets another kiss.
Upon the gas you now must step,
That fills the engine full of pep.
That's great! You are a clever miss,
Here teacher gets another kiss.
Now change to second. Now to high,
You do that just as good as I,
Now stop the car right here, and then
We'll do the lesson once again.

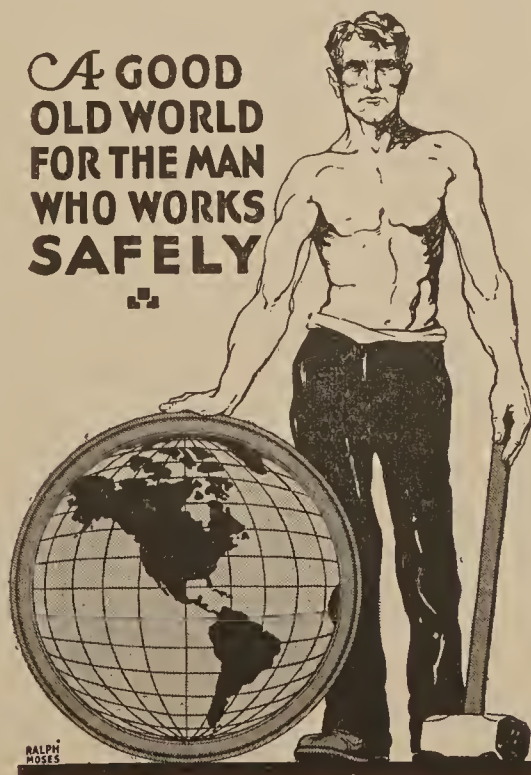
The Wife

First, see your car is out of gear,
How? By this gear-shift lever here.
How can you tell? Why feel it.
See?
The thing is simple as can be.
Now step on that to make it start,
Great Scott! You'll tear it all apart
If you don't take your foot off quick
The second that it gives a kick
Now throw in your clutch. For goodness sake
Your clutch! Your clutch! No, not your brakel
Why? Cause I tell you to, that's why,
There now, you needn't start to cry.
Now pull this lever into low,
Step on the gas and start off slow,
Look out! You almost hit the fence!
Here let me drive. You've got no sense.



This Display Made a Hit

**A GOOD
OLD WORLD
FOR THE MAN
WHO WORKS
SAFELY**



G-E Night School Completes Fall Term

TWO hundred and ten people out of 306 who started the Night school last fall satisfactorily completed their work and will receive their certificates at the banquet which will be held at the close of the spring term. In order to handle this number of people it was necessary to have twenty classes, studying fourteen different subjects.

The spring term of the Night school started the week of January the 7th. The enrollment, it is expected, at the time this is written, will be as large or larger than usual.

The night school is sponsored by our Company because it supplies one of the great educational needs of the employees. The fact that the number of people attending the Night school becomes larger each year shows that the G-E employees appreciate this opportunity.

This is the first year that the Night school has been extended to the Decatur Plant. Two classes were held there this last term with almost perfect attendance. The two classes at Decatur and the men completing them are as follows:

Public Speaking, Walter Sunier, Instructor; Students: John H. Brunton, Alvey Buffenbarger, Calvin Coppess, Fred M. Engle, E. J. Engleman, A. H. Fruechte, Bert Gage, Harvey Koof, B. G. Langston, Walter Lister, Lohmas McIntosh, L. C. Meyer, R. F. Stanley, H. L. Yahne, W. F. Kohlf.

Mechanical Drawing, L. C. Swager, Instructor; Students: Erwin Adler, Boyd D. Baker, Earl F. Biens, Earl Blackburn, Frank Bohnke, G. J. Buckley, John Burnett, Ralph Butler, Fred Chronister, John E. Cook, A. J. Eady, D. E. Foreman, Robert Gage, F. Geary, Tillman Gehrig, Francis Howell, Harry King, W. G. Kleinknight, Wm. Lindemann, Chester McIntosh, Russell Owen, Miles F. Roop, Al Schneider, Carl Smith, George Hamma.

Following are the people who completed their work in classes at the Broadway Plant listed under the subject which they completed:

D-c Electricity, R. L. Hupp, Instructor; A. M. Casteel, Bldg. 12-1; M. A. Dicken, Bldg. 19-5; Kenneth Seften, Bldg. 26-2; L. C. Snyder, Bldg. 18-5; Louis Wegman, Bldg. 4-5; W. Welch, Bldg. 4-4; C. A. Yager, Bldg. 17-1; Joe Murtaugh, Bldg. 4-4.

Typewriting, Grace Phillips, Instructor; Ethel Brown, Bldg. 26-4; Ed Dobler, Bldg. 26-2; Gaby Fry, Bldg. 18-5; Alice Gladieux, Bldg. 26-2; G. Grand-

champ, Bldg. 18-5; Hazel Halter, Bldg. 26-2; Violet Kilfoy, Bldg. 18-5; Nora Mizer, Bldg. 26-2; Lena Shull, Bldg. 8-2; Gladys Smith, Winter Street; Ruth Stier, Bldg. 4-5; Marion Taylor, Bldg. 17-2; Evelyn Tracy, Bldg. 17-2.

Comptometry, Ruby Kuhn, Instructor; Constance Arnold, Bldg. 19-4; Leota Barker, Bldg. 19-5; Vera Beam, Bldg. 17-4; Marjorie M. Crick, Bldg. 26-2; Elizabeth Garrison, Bldg. 26-2; Marier A. Herber, Bldg. 19-4; Denona Kaehr, Bldg. 19-4; Arsene J. Mason, Bldg. 18-2; Velma Schott, Bldg. 26-2; Thelma Sparks, Bldg. 4-4; Blanche Herber, Bldg. 19-4; Charlotte Houser, Bldg. 26-2; Irene Cook, Bldg. 26-2; Zoa Dodane, Bldg. 19-2; Winifred Hall, Bldg. 19-5; Ruth Lindeman, Bldg. 19-5; Anna Roth, Bldg. 19-5; Lena Shull, Bldg. 12-1; Myrtle Swager, Bldg. 20-1; Wilma Swager, Bldg. 19-4; Nancy E. Wade, Bldg. 19-4; Ruth A. Weaver, Bldg. 19-5; Mae Virgil, Bldg. 26-2; Florence Reutebush, Bldg. 19-5; Hannah Bartlett, Bldg. 19-5; Kathryn Sellers, Bldg. 17-4; Ingard Gehle, Bldg. 19-5.

Mechanical Drawing, L. C. Swager, Instructor; Kenneth Bergman, Bldg. 6-3; Roscoe Cobbs, Bldg. 26-2; Wilbur Doenges, Bldg. 4-1; Walter F. Horman, Bldg. 26-5; Harold Longworth, Bldg. 4-5; Kenneth McCague, Bldg. 4-1; Jacob Model, Bldg. 19-4; Allen J. Ruble, Bldg. 4-4; Wm. H. Straub, Bldg. 3-3; Carl Swanson, Bldg. 26-5; W. H. Thompson, Bldg. 4-5; Noble Wagner, Bldg. 4-5; Raymond Weichert, Bldg. 20-1.

Public Speaking, Walter Sunier, Instructor; Floyd E. Braun, Bldg. 26-1; Arthur E. Chattle, Bldg. 19-1; Geo. S. Dierstein, Bldg. 17-4; R. L. Flightner, Bldg. 18-4; R. A. Meister, Bldg. 17-4; Stuart Monroe, Bldg. 26-2; Geo. L. Santon, Winter Street.

Chemistry, R. A. Browder, Instructor; Clifford Casteel, Bldg. 19-3; Edward E. Hale, Bldg. 28-2; Wayne A. Kempf, Bldg. 18-4; Albert L. Olson, Bldg. 12-2; Carl G. Schlenker, Bldg. 26-5; Carl H. Mosser, Bldg. 12-2; J. H. Jennings, Bldg. 16-3.

Mechanical Drawing, R. L. Rupp, Instructor; Jean Bollenbach, Bldg. 26-4; Milton Fry, Bldg. 4-5; F. E. Garland, Bldg. 12-3; Daniel Knisley, Bldg. 12-3; Robert Pearson, Bldg. 12-3; Kenneth J. Rupp, Bldg. 26-2; Carl W. Sorenson, Bldg. 17-4; Wm. Stetzer, Bldg. 17-4; J. E. Stoller, Bldg. 4-3; John A. Suelzer, Bldg. 26-2.

Advanced Typing and Ediphone, Margaret Phillips, Instructor; Glennis M. Adams, Bldg. 17-2; Mary Bickel, Bldg. 17-2; Marjorie Crick, Bldg. 4-5; Anna R. Hogg, Bldg. 17-2; Beatrice Orth, Bldg. 18-2; Charlene Snyder, Bldg. 17-2; Nellie Van Wormer, Bldg. 17-2.

Arithmetic and Blue Print Reading, Geo. H. Gettel, Instructor; Herman Bauman, Bldg. 17-3; John Bitner, Bldg. 26-2; Jessie Brooks, Bldg. 26-2; Kenneth H. Bubb, Bldg. 4-1; Walter Doenges, Bldg. 26-2; Carl Fisher, Bldg. 4-1; Mark A. Hennigh, Bldg. 26-4; D. J. Huschfelder, Bldg. 26-2; James Johnson, Bldg. 4-4; James T. Keller, Bldg. 26-2; Frank J. Kopp, Bldg. 26-2; Herbert Kurtz, Bldg. 12-3; Wilbur C. Kurtz, Bldg. 12-3; Harold C. Williams, Bldg. 4-4; Wm. P. Altekruze, Bldg. 20-1; Walter Bartles, Bldg. 26-3; Norman Gillian, Bldg. 17-3; C. Hippensteel, Bldg. 26-5; Russell Johnson, Bldg. 19-5; William Kendler, Bldg. 4-1; Arsene J. Mason, Bldg. 18-2; Edward W. Mertz, Bldg. 14-4; Howard Moore, Bldg. 27; Fred W. Reinking, Bldg. 17-2; R. H. Rodenbeck, Bldg. 4-1; Alvin Voltz, Bldg. 4-3; O. E. Wallert, Bldg. 26-5.

Typewriting, La Vera Vail, Instructor; Mary Bertsch, Bldg. 17-2; Harold Carter, Bldg. 17-4; Frances Coons, Bldg. 4-5; Laverne Fritz, Bldg. 17-3; Winifred Hall, Bldg. 19-5; Margaret McKee, Bldg. 17-2; Delois Neuland, Bldg. 4-4; Wavel Poinsette, Bldg. 4-4; Kittie Rapp, Bldg. 17-3; Florence Reutensuh, Bldg. 19-5; Leslie Swank, Bldg. 17-2; Ruth Wohlford, Bldg. 17-2.

Business English, H. O. Makey, Instructor; Harry Hillyard, Bldg. 3-3; Alfred Kulschback, Bldg. 4-5; Kenneth Louthan, Bldg. 17-2; Emmet J. Mills, Bldg. 3-3; Jessie A. Rutledge, Bldg. 26-2; F. H. Sheridan, Bldg. 10-2.

Elementary Electricity, Paul Breimier, Instructor; Ray Berdelman, Bldg. 4-5; Forest Bunner, Bldg. 4-5; Herbert Harter, Bldg. 26-3; Kenneth Hullinger, Bldg. 26-2; Donald M. List, Bldg. 26-2; F. W. McCullough, Bldg. 4-5; Dean O. Miles, Bldg. 2-2; Wm. C. Miller, Bldg. 18-1; Gerald F. Morton, Bldg. 4-1; Arthur H. Nord, Bldg. 4-5; E. G. Rodenbeck, Bldg. 19-4; Kenneth Spackman, Bldg. 17-1; Wm. Stetzer, Bldg. 17-4; J. W. Teeple, Bldg. 19-4.

Algebra, L. S. Dulaney, Instructor; Delwood Bucher, Bldg. 26-4; Amos M. Casteel, Bldg. 12-1; Maxwell A. Dickens, Bldg. 19-5; Frank A. Epple, Bldg. 19-5; Kenneth Rupp, Bldg. 26-2.

Machine Shop Practice, H. Siebold, Instructor; Charles A. Beck, Bldg. 19-5; Willit Deetz, Bldg. 26-4; Roy K. Eger, Bldg. 19-2; Ralph J. Richard, Bldg. 26-4; Elmer Robbins, Bldg. 26-4; Charles Schaeffer, Bldg. 19-2; John B. Thomas, Bldg. 19-2; Stanley J. Tisoric, Bldg. 19-4; Gilbert Walker, Bldg. 19-5; Walter Fritze, Bldg. 4-1; James B. Johnson, Bldg. 3-3; Wm. Strassberger, Bldg. 26-2; Belna Imel, Bldg. 26-2; Alvin Voltz, Bldg. 4-3.

There's Always
A Better Way

How Sulphur Is Mined

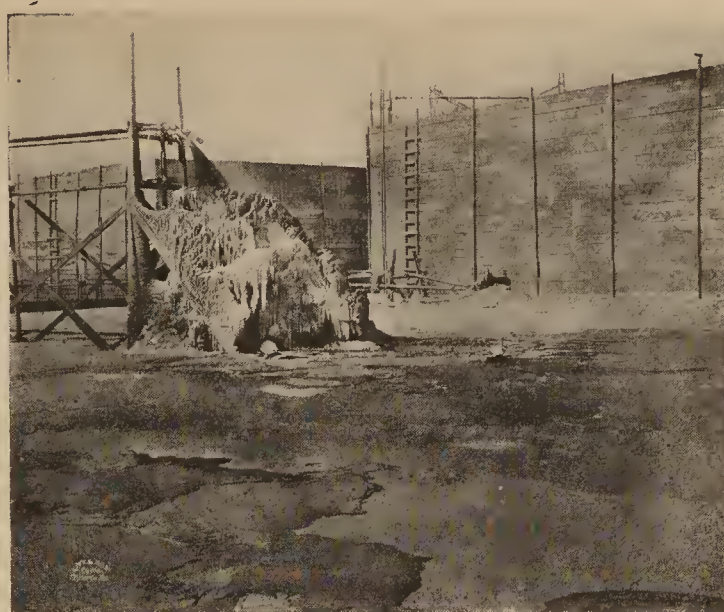
This Fascinating Process Has Enlisted the Aid Of Electricity

HELL, so people used to say, is paved with brimstone. What they did not say, however, was that brimstone (the commoner name for which is *sulphur*) had a variety of other and less spectacular uses. The reason for this was that until quite recently this yellowish substance, though one of the commoner minerals, yet to be found in every part of the world, did not have very many users.

But in recent years sulphur has been found to be useful in many ways, and the demand for it has increased during the past twenty-five years by leaps and bounds.

It is sulphur which makes rubber tires possible—which gives them that much-desired combination of elasticity and strength. It is sulphur which, also, makes hard rubber hard and it enters into many complicated chemical reactions without which many of the products of modern industry would not be available.

Sulphur is to be found in Europe, Asia, Africa, and North and South America. A quarter of a century ago practically all that was used in the United States was imported from Italy and Japan. Today, however, the United States produces more sulphur than the rest of the world together. It



LIKE THICK PEA SOUP

The sulphur, melted, is pumped from the strata far below the surface of the earth, and into vats like the one shown here, where it is allowed to cool and harden

not only meets all domestic requirements, but exports approximately 500,000 tons of this substance every year, to all parts of the world. This is due to the discovery, not very many years ago, of large and wonderfully rich deposits of sulphur located near the seacoast of Texas and Louisiana.

This rich deposit was discovered accidentally, by drillers who were searching for oil, and who were surprised to find that instead of oil they were bringing up sulphur from depths of between 600 and 800 feet. They tried first to mine by the usual method of using shafts and tunnels but poisonous sulphur gases were encountered, which made the method impossible.

Shortly afterwards a method was devised and patented, the basic principles of which are still being used. By this method of mining, water is heated to a point above the temperature at which sulphur will melt. This hot water is then forced down wells into

the sulphur deposit far underground, and the dissolved sulphur is brought to the surface with the aid of compressed air.

This method of mining sounds simple enough but many of the details are very complicated, and a long time was required to perfect it. That it is effective, however, is proved by the fact that in 1900 the United States was producing only 10,000 tons of sulphur, while in 1923—less than a quarter of a century later—the production had jumped to 2,000,000 tons!

The hardest problem was that of finding some way to get hot water and compressed air into the sulphur deposit, and at the same time make some arrangement for allowing the sulphur to be brought to the surface. This was done by placing three pipes one inside of another. The center pipe admits air into the well, the next pipe admits hot water, and the third pipe returns the sulphur from the deposit.

The molten sulphur is then pumped into a vat which is lined with steam coils to keep the sulphur liquid, and from this vat it is pumped into a still larger vat. Even the pumps have steam jackets to keep the sulphur from solidifying.

After the sulphur has accumulated it is allowed to cool and become solid again. It is then handled by steam shovels, being shipped usually in box cars. Box cars are used instead of open gondolas, because there is a danger of its being ignited by sparks from coal-burning locomotives. Since sulphur is one of the chief ingredi-

A YOUNG MOUNTAIN

of sulphur is revealed when the sides of the vat are later removed



ents used in matches, one can readily understand what would happen if sparks were to land on a train load.

Electricity, and especially, G-E electrical equipment, has been able to do much for the sulphur mining industry. The mines necessarily use a large amount of steam, and by passing it through a turbine electricity is generated as a sort of sulphur by-product. With this current are operated electric motors, which are used in drilling, pumping, dredging, machine shops, and many other places.

In one industry after another electricity is establishing itself as indispensable. It is found, just as in the sulphur industry, that it is the most economical and dependable source of power. All of the sulphur wells were once drilled by steam, just as all locomotives were steam locomotives; but electricity has conquered completely in one case, and bids fair to conquer in the other.

Smile A While

Girls, when they went out to swim,
Once dressed like Mother Hubbard;
Now they have a bolder whim;
They dress more like her cupboard.
—*The Bessmer.*

HEADED FOR THE ROCK PILE

Warden: "It is our custom to let a prisoner work at the same trade in here as he did outside. Now, what is your trade, shoemaker, blacksmith, or—"

Prisoner: "Please sir, I was a traveling salesman."

—*Trolley Topics.*

Used car salesman: "Well, what's the matter with the car you bought from us a week ago?"

Stung one: "Well, every part of it makes a noise except the horn."

—*America's Humor.*

"How old did you say you were?"

"I never mentioned my age, but as a matter of fact, I've just reached twenty-one."

"Indeed! What detained you?"

—*Echo.*

She: "Harry, darling, am I the first girl who ever asked you if she was the first girl who ever asked you if she was the first girl you ever kissed?"

He: ? ? ? ?

—*The Bessmer.*

Athletics

Best Teams in Country on G-E Club Schedule

THE G-E club is making every attempt to book only the best teams available in independent basketball in the country. Purely professional teams are not being booked. A glance at the balance of the schedule will convince one of the quality of the teams to appear here. Most of the clubs have a national reputation and are well known here. These teams are playing to packed houses in other cities to at least a dollar admission, and G-E fans are fortunate in being able to see such high class teams at such a low admission price. The G-E Club five is also recognized as one of the best independent teams in the middle west and deserves the whole-hearted support of every employee. Remember that we are charging only 35 cents for these high class games. The schedule for the next few weeks follows:

Jan. 11—Big Four, Indianapolis
Jan. 18—Tool Shop Hdwe., Detroit
Jan. 25—Flint Buicks
Jan. 31—Toledo Red Men
Feb. 8—Rochester Oldsmobiles
Feb. 14—Olson's Terrible Swedes
Feb. 21—Sandusky Big Reds
Mar. 1—Olson's Original Nordics

G-E Club 19—Michigan Centrals 18

The G-E club nosed out a one-point victory over the strong Michigan Centrals of Detroit. The Centrals, composed of several former American league players, put up a stiff battle, being in the lead at the end of the first half, 11 to 7. The G-E five came back strong in the second half and through the fine work of Artie Hoffman were able to tie the count and the end of the game found the locals with a one-point lead.

G-E Club 31—Wapakoneta 22

The G-E club demonstrated that it was possible to defeat the San Felice five of Wapakoneta, Ohio, on their own floor. This club, boasting of wins over the century mark and losses very few were unable to overcome a seven-point lead piled up by the G-E five in the first half. The sensational shooting of Herbst, during the second period, in which he counted five baskets, was too much for the Ohio five.

G-E Club 38—World Famous Indiana 25

Again stepping to the front, after trailing by four points at the end of

the first half, the G-E club five completely smothered the World Famous Indiana of LaRue, Ohio, during the second period and added the scalps of the red men to their growing collection. Myers was high scorer for the locals with eleven points. The Indians put up a stubborn battle and the contest was much better and harder fought than the score would indicate.

G-E Club 32—"Straus Says" 19

The leading quintet of the capitol city, the "Straus Says" five, were unable to stop the G-E club five. The flu took its toll on the locals and several members of the Hoosiers volunteered to fill. Chadwick and Saunders filled in at center for Belot and Miller and Shinek took Spahr's place at guard. The famous American leaguers contented themselves with feeding the ball to the G-E forwards and Meyers counted five times from the field. The score at the end of the first period was 19 to 9 in favor of the locals.

G-E Club 32—St. Louis Americans 17

The G-E club five disposed of the strongest five so far on their schedule by a rally in the second half seldom equalled. After trailing on the short end of a 16 to 12 count at the rest period the G-E five unleashed a barrage of shots at the net during the closing moments, practically every one of which found its mark. Herbst made several shots of the sensational variety and a pair of Holmes' long range shots went through the ring. The St. Louis five was able to score but a single point during this period. The play was exceptionally clean for being so fast and had the large crowd in a frenzy of excitement.

* * *

Myers is leading the G-E five in scoring with a total of 60 points in 7 games from 24 field goals and 12 free throws. Herbst follows with 40 points in 6 games. The individual scoring of the players follows:

	G	FG	FT	Total	PF
Myers.....	7	24	12-21	60	10
Herbst.....	6	15	10-11	40	6
Belot.....	6	11	5-11	27	12
Hoffman.....	5	9	4-10	22	5
Holmes.....	7	5	11-23	21	12
Hamilton.....	7	2	4-4	8	3
Spahr.....	6	3	2-5	8	8

Mazdas Playing Fine Basketball

The G-E Mazdas are doing all that was expected of them in the basketball field this season, winning a majority of their games. In exhibition games played as preliminaries to the G-E club games, the Mazdas have defeated the Schroeder Personality Five, the Consumers Ice Co., and the International Motors. The Mazdas entered a city tournament and went to the semi-finals with two of their players being out of the game on account of sickness. They were defeated by the fast Ossian five at that place in an overtime game by one point.

In the city industrial league, sponsored by the Y. M. C. A., the G-E five is holding their own among teams much stronger than in previous years.

They were defeated by the Dudlo five in the first game of the season, but came back the next week to defeat the American Fork and Hoe Co. by the score of 79 to 6, one of the highest scores ever run up in this league. The standing of the teams in the league follows:

	Won	Lost	P.C.
G-E Mazdas.....	3	1	.750
Wayne Knit.....	3	1	.750
Dudlo.....	2	1	.667
International Motor.....	2	1	.667
Bowlers.....	0	3	.000
American Fork and Hoe... 0	3		.000

G-E Girls' Basketball Team

The G-E girls' basketball team is running true to form with victories to their credit for both games. On December 7th they played the preliminary to the G-E club versus the Michigan Centrals of Detroit, and won by a score of 23 to 15 from the Lincoln Life girls. On December 20th they won a hard fought game at Waterloo by a score of 17 to 16, playing against the Waterloo independent girls' team, which boasted that it had not been defeated for two years. Christenbury and Reidenbach were the scorers for our team at Waterloo. On January 11th they play a return game with Waterloo as a preliminary to the G-E Club game with the Big Four Team of Indianapolis.

G-E GIRLS			
	FG	FT	Total
Reidenbach, lf.....	3	1	7
Walda, lf.....	0	0	0
Christenbury, rf.....	6	2	14
Hormel, rf.....	0	0	0
Dirr, c.....	1	0	2
Vail, c.....	0	0	0
Singrey, lg.....	0	0	0
Scott, lg.....	0	0	0
DeArmitt, rg.....	0	0	0
Totals.....	10	3	23

LINCOLN LIFE GIRLS			
Braun, lf.....	1	0	2
Delancey, lf.....	0	1	1
Tannehill, r.....	2	4	8
Brechner, c.....	1	0	2
Bradtmiller, lg.....	0	0	0
Henline, rg.....	1	0	2
Kraus, rg.....	0	0	0
Totals.....	5	5	15

G-E GIRLS, 17	at WATERLOO, 16
Christenbury.....	F.....Sherburn
Reidenbach.....	F.....Voss
Vail.....	C.....Wolfe
Dirr.....	C.....
Singrey.....	G.....Dixon
Fletcher.....	G.....Dunn
Scott.....	G.....
Field goals: Sherburn, 7; Christenbury, 4; Reidenbach, 4.	
Free throws: Sherburn, 2; Vail, 1.	

Inter-department Basketball League

The Inter-department basketball league, composed of ten teams this year, has played three games to date and three teams still have a perfect record. Due to the larger number of employees this year the class of players is somewhat better than in former years and the games are drawing a larger attendance than formerly. The contests are staged on Monday and Tuesday evenings at 7:30 p.m. The standing of the league follows:

Team	Won	Lost	P.C
Apprentice.....	3	0	1.000
Small Motor.....	3	0	1.000

	Won	Lost	P.C.
Transformer.....	3	0	1.000
Winter Street.....	2	1	.666
Apparatus.....	1	2	.333
G-E Squares.....	1	2	.333
Meter.....	1	2	.333
Pay Roll and Accounting.. 1	2		.333
Wire and Insulation. 0	3		.000
Gen. Service.....	0	3	.000

Girls Inter-department Basketball

Any girl who works at the General Electric, who wants to play basketball, whether she is an experienced player or a beginner, is invited to play at the gym every Thursday from 6:30 to 7:30 p.m. This practice will continue as long as enough girls come out to play. Come out and have a good time.

Inter-department Volleyball League

Three teams have clean slates in the inter-department volleyball league after six games have been played. The games are played on the G-E club courts Monday and Tuesday evenings, starting at 5:30 p.m. and the doors are open to all. The standing of the teams follows:

	Won	Lost	P.C.
Fractional Motors.....	6	0	1.000
Winter Street.....	6	0	1.000
Small Motor	6	0	1.000
G-E Squares.....	2	4	.333
Apprentice	2	4	.333
Main Office.....	1	4	.200
Transformer	1	4	.200
Meter.....	0	6	.000

Boxing Lessons Given Free to G-E Employees

Boxing and physical training are proving popular among the younger G-E employees, and Nick Little, the veteran boxer, is teaching the boys the tricks of the game. The gym at the G-E club is wonderfully equipped for the boys to work in and many of them are advancing rapidly under the tutelage of the little veteran. Classes are held every Tuesday and Thursday from 7:30 to 9:30 and Nick thinks every young fellow should learn the manly act of self defence and take advantage of this free offer.

Indoor Tennis Court

Did you know that the G-E club had provided equipment in the way of posts and a net for an indoor tennis court in the gymnasium? After persistent requests from tennis fans ever since the gym was built, the G-E club board of directors has provided this equipment, with the understanding that if enough persons in the Plant are sufficiently interested to play and to play often enough, that the court will be lined so as to be the proper dimensions of a tennis court.

If you are an experienced player or if you want to learn to play, come out and use the court. You may use it every morning before work, Sunday afternoons, or any other time the gym is not in use. To get the equipment, see Mr. Harkenrider or one of his assistants at the gym.

This is your opportunity to practice up and be in such good trim when the outdoor tennis season opens that you will leave your opponents wondering how you did it.

Industrial Bowling Tournament to Be Held on G-E Club Alleys

The G-E club bowling alleys will be the scene of the Fifth Annual Industrial Bowling Tournament this year. The tournament this year for the first time is sanctioned by the American Bowling Congress and all scores will be recognized by that body. The first games will be rolled January 26th and all entries must be received by Frank "Sap" Quinn not later than January 19th. Five men teams must not have more than one player with an average of 185 or better. Two men event is limited to a 360 average for the pair. The singles event is divided into two classes: A, with 176 or over; B, with an average of 175 or less. The entry fee is \$5.00 for five men teams, \$2.00 for doubles and \$1.00 for singles, with a charge for bowling of 75 cents for the three games. Checks should be made to the Tournament Secretary and should accompany the entry blank. For further information call Frank Quinn, H-34803 or A-2149.

Meter Dept. League

	Won	Lost	P.C.	Ave.
Registers.....	4	2	.667	835
Discs	4	2	.667	806
Covers.....	4	2	.667	804
Leads.....	4	2	.667	802
Jewels	4	2	.667	802
Seals.....	4	2	.667	792
Gears.....	3	3	.500	804
Elements.....	2	4	.333	784
Terminals	2	4	.333	781
Pivots.....	2	4	.333	769
Magnets.....	2	4	.333	766
Bases.....	1	5	.167	775

INDIVIDUAL AVERAGES

Voorhees.... 39	180	Miller.....39	175
Lawrence.... 39	180	Timme.....39	174
Weick. 39	179	Bushing.....39	173
Erne..... 39	178	Hambrock...39	173
Rietdorf 39	176	Haberkorn...30	172

HIGH INDIVIDUAL SCORE

One Game		Three Games	
Geisler.....	244	Lawrence.....	577
Erne.....	235	Erne.....	572
Miller.....	230	Miller.....	572

HIGH TEAM SCORE

One Game		Three Games	
Registers.....	916	Registers.....	2541
Jewels.....	864	Discs.....	2463
Leads.....	864	Seals.....	2458

Transformer League

	Won	Lost	P C	Ave
Bells.....	25	17	.595	752
Currents.....	24	18	.571	754
Radios.....	22	20	.524	752
Autos.....	19	23	.452	758
Nitelites.....	18	24	.429	745
Toys.....	18	24	.429	735

INDIVIDUAL AVERAGES

Cox.....42	181	Orff. 33	165
Cook.....42	178	Kronmiller...41	164
Tagtmeyer...42	174	Fryback.....42	163
Garihan.....33	174	Schlatter....30	162
Long.....36	172	Boutwell....36	160

HIGH INDIVIDUAL SCORE

One Game		Three Games	
Cox.....	238	Long.....	633
Long.....	236	Cook.....	608
Garihan.....	238	Garihan.....	602

HIGH TEAM SCORE

One Game	Three Games
Currents.....897	Radios.....2516
Bells.....885	Bells.....2486
Radios.....869	Currents.....2469

Office League

Won	Lost	P.C.	Ave
Indus. Service.....8	1	.889	799
Material List.....6	3	.667	787
A-C. Drafting.....6	3	.667	765
Apparatus Cost.....5	4	.556	747
Distribution.....5	4	.556	687
Plant Construction.....4	5	.444	769
D-C. Apparatus.....4	5	.444	743
Small Motor Engr.....3	6	.333	722
Warehouse.....3	6	.333	709
D C. Drafting.....1	8	.111	723

INDIVIDUAL AVERAGES

Einseidel.....9	194	Enders.....9	168
Reese.....9	181	Lindemuth.....9	164
Bryan.....6	181	Plaisted.....9	163
Pray.....9	178	Ulmer.....9	160
Roeger.....9	176	Wallace.....9	160

HIGH INDIVIDUAL SCORE

One Game	Three Games
Roeger.....228	Einseidel.....606
Einseidel.....223	Pray.....586
Reese.....216	Reese.....576

HIGH TEAM SCORE

One Game	Three Games
Plant Construction 904	Apparatus Cost..2555
Apparatus Cost...874	Plant Construction 2496
Material List....868	Indus. Service...2468

Foremen's League

Won	Lost	P.C.	Ave.
General Service.....12	3	.800	805
Tool Supply.....11	4	.733	729
Wire and Insulation..10	5	.667	729
Small Motor.....8	7	.533	768
Meter.....6	9	.400	738
Transformer.....6	9	.400	733
Apparatus.....6	9	.400	726
Refrigerator.....1	14	.067	686

INDIVIDUAL AVERAGES

Buuck.....36	185	Skevington...30	163
Holloway.....36	168	Siebold.....30	162
Szink.....36	166	Rockhill....24	159
Grimme.....28	163	Schafenacher..24	157
Foellinger.....33	163	Schild.....27	156

HIGH TEAM SCORE

One Game	Three Games
General Service...901	Small Motor....2499
Meter.....870	General Service..2475
Small Motor.....838	Meter.....2382

Tool and Equipment League

Won	Lost	P.C.	Ave.
Tool Supervisors.....27	15	.643	788
Grinders.....24	18	.571	804
Special Tools.....22	20	.523	801
Jigs and Fixtures....21	21	.500	790
Punches.....20	22	.476	767
Machines.....19	23	.452	774
Special Machines....18	24	.428	766
Dies.....17	25	.405	774

INDIVIDUAL AVERAGES

Rehm.....12	182	Knepple.....42	174
Gerdorn.....42	177	Dicke.....36	172
Daley.....39	176	J. Franke....30	170
W. Franke....39	176	Lenz.....9	168
Lankenau....42	175	Tennison....3	168

HIGH INDIVIDUAL SCORE

One Game	Three Games
Stone.....257	Knepple.....652
Neeb.....253	Daley.....628
Druhott.....249	Brenner.....606
	W. Franke.....606

HIGH TEAM SCORE

One Game	Three Games
Special Tools....993	Special Tools....2744
Machines.....949	Grinders.....2683
Grinders.....941	Dies.....2663

Small Motor League

	Won	Lost	P.C.
RSS.....	7	2	.768
SA.....	6	3	.666
DR3.....	5	4	.556
SDA.....	5	4	.556
RKT.....	5	4	.556
RSO.....	5	4	.556
RSA.....	4	5	.445
DR2.....	3	6	.333
SD.....	3	6	.333
DR1.....	1	8	.111

INDIVIDUAL AVERAGES

Quinn.....15	184	McKeering...33	167
Tobias, M....42	175	Nahrwold...42	166
Cooper.....21	175	Michelfelder..26	166
Renier.....21	172	Rosep.....42	164
Rapp.....33	170	Guenther....39	164

HIGH INDIVIDUAL SCORE

One Game	Three Games
Cooper.....228	Cooper.....630
Nahrwold.....225	Nahrwold.....607
Guenther.....224	Guenther.....586

HIGH TEAM SCORE

One Game	Three Games
RSA.....760	RSA.....2175
SA.....757	SA.....2125
RSS.....753	RSS.....2057

Girls' League

Won	Lost	P.C.	Ave.
Refrigerator.....27	6	.818	594
Fire.....26	7	.788	596
Small Motor.....19	14	.575	581
Apparatus.....16	17	.484	553
Order.....15	18	.454	501
Meter.....11	22	.333	494
Indus. Service.....9	24	.272	522
Tool.....9	24	.272	520

INDIVIDUAL AVERAGES

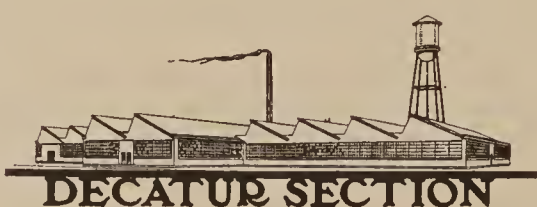
Lackey.....30	175	Bleke.....30	146
Preston.....30	151	Pence.....24	139
Fox.....30	150	Stahl.....30	136
Hueber.....30	149	James.....30	135
Linnemeyer...30	146	Rebber.....30	130

HIGH INDIVIDUAL SCORE

One Game	Three Games
Lackey.....223	Lackey.....594
Fox.....220	Fox.....568
Preston.....216	Preston.....519

HIGH TEAM SCORE

One Game	Three Games
Fire.....766	Refrigerator...2011
Refrigerator....750	Fire.....1959
Tool.....702	Tool.....1896



Gecode Girls' Christmas Party

THE members of the Gecode club had a special Christmas celebration in the Plant club rooms on December 19th. A delicious dinner was served immediately after work and then the girls went to the Gecode rooms which had been nicely decorated in keeping with the holiday occasion. In one end of the room the girls had ar-

ranged a typical Christmas morning fireplace and near it a snow-house to emphasize the winter setting. In all, 32 girls of the Plant were present, a gift exchange being the feature of the social session "before the fire." The party was arranged by a committee headed by the club president, Olive Walters.

Cast of Show Give Dance

THE cast of the recent show, "Minstrel Fashion Plates," held a dinner and dance at the Decatur country club on the evening of December 20th. The Decatur G-E orchestra which furnished the music for the show, was of course, in attendance and furnished music for the dancing which followed the delicious dinner that was served. Approximately 50 couples were present and everyone voted the event a fitting climax to the hard work the cast had done in the preparation and staging of the show. Fred Engle and Floyd Enos were in charge of arrangements.

Basketball

Just when the Decatur G-E basketball team was beginning to hit its stride the epidemic of flu broke into the ranks and caused cancellation of all games for a period of at least two weeks. However, there had been evidence before this that the team could give a good account of itself. On December 19th, the team played in the invitation tournament held in Concordia college gymnasium at Fort Wayne. Their first opponents were the Schroeder's Flying Five and they were disposed of with a score of 22 to 24 in an overtime period. Their next opponents were the Anthony Wayne Institute five and these were defeated by a score of 19 to 35. This victory put Decatur into the semi-finals where they met the G-E Mazda team of Fort Wayne and took their measure 29 to 31. In the finals Decatur lost to the Fort Wayne Chiefs by a score of 22 to 41. With such a record for four games played in a single afternoon and evening, a period of only about eight hours, there is no occasion to offer any apologies for the Decatur G-E five.

Help To
Eliminate
Waste!

WHO is the Producer? He is not alone the man from whose hands come the finished product. Behind that man are many others whom we do not so readily see. Vast co-operation is involved in production. The man who plans the work has strong claim to the honorable name of Producer. The man who "turns it out" is the one whom modern opinion acclaims as the real creator, yet in the final analysis it is the *organization* that produces—the whole industrial process, from those who deal with the raw materials to those who give the finishing touches.



“SOME of the men from Fort Wayne were in town the other day and they rather put it up to us to insist on G-E fractional horsepower motors on any electrical appliances we might buy. They said if all G-E employees would do this, appliance manufacturers would see a further advantage in using our motors, and those using only part G-E equipment would be influenced to use more.

“It sounded reasonable to me. I believe in G-E equipment anyway and I don’t see why we shouldn’t help not only the employees at Fort Wayne, but ourselves at Pittsfield, Schenectady, Bridgeport, and the other plants that furnish a large share of the material and parts for fractional horsepower motors. You know you’ll find that G-E is standard on most of the leading makes of household appliances and it’s just as easy to provide work for ourselves as for others.”

In addition to the nameplate and the end shield on the G-E motors themselves this identification seal is used on stickers



and tags attached to most of the appliances equipped with G-E fractional horsepower motors.



The



Works News

February 15, 1920

The General Electric Hour

A NETWORK of 42 broadcasting stations, distributed to reach every part of the United States, has been engaged by General Electric for a weekly radio program to be known as the General Electric Hour.

At 9 p.m., eastern standard time, Saturday, February 9th, the inaugural program was carried over one of the largest NBC networks ever contracted for by a commercial organization, Walter Damrosch and a great orchestra were presented in this program and it is expected that the General Electric Hour, in the ensuing weeks, will take its place among the best of radio presentations.

Every program will be a General Electric program, but the emphasis, from time to time, will be placed on specific G-E products as well as the products of associated companies. In this manner it is expected that the public will become familiar with the variety of products obtainable under the Monogram.

General Electric is known to radio listeners through its three great broadcasting stations located at Schenectady, Oakland, and Denver, and for a year past associated companies and G-E departments have sponsored feature programs from each of these stations. Under the enlarged plan, General Electric will offer to 42 stations an outstanding program originating in New York, or, on occasions, in some other city on the network.

The value of the expanded radio program to the Company is brought out in the following statement by Martin P. Rice, advertising manager and manager of broadcasting:

"General Electric belongs on the air because of its large interest in radio, in the development of broadcasting stations and in the design and manufacture of radio tubes and receiving sets. It is believed that this program will be helpful to radio in providing an hour of the finest music available for homes all over the country, but it will also serve to identify the name General Electric with great enterprises such as the electrification of ships and railroads, the generation of electric power in central stations and its distribution and application to the home, the farm and various industries.

"It is expected that General Electric offices in all the districts and distributors and dealers everywhere handling G-E products will take full advantage of these programs by bringing them to the attention of the public locally."

Network cities are as follows: Atlanta, Boston, Buffalo, Charlotte, Chicago, Cincinnati, Cleveland, Dallas-Fort Worth, Davenport, Denver, Des Moines, Detroit, Duluth, Hartford, Houston, Kansas City, Los Angeles, Louisville, Memphis, Milwaukee, Minneapolis-St. Paul, Nashville, New York, Oklahoma City, Omaha, Philadelphia, Pittsburgh, Portland (Me.), Portland (Ore.), Providence, St. Louis, Salt Lake City, San Antonio, San Francisco, Schenectady, Seattle, Spokane, Tulsa, Washington and Worcester.

Through stations located in the above cities, General Electric will be carried to every large center of population in the United States, and through WGY's two short wave stations, W2XAF and W2XAD, the program will be carried to Europe, South America, Australia and South Africa.

The schedule for the first thirteen weeks, showing the associated company or department sponsoring particular programs, follows:

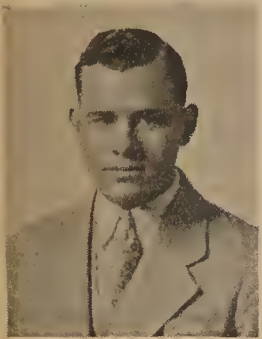
February 9th, Introductory program; February 16th, G-E Mazda Lamps; February 23rd, Merchandise—G-E Wiring System; March 2nd, Marine; March 9th, G-E Mazda Lamps; March 16th, Merchandise—G-E Vacuum Cleaner; March 23rd, Electric Refrigerator; March 30th, G-E Mazda Lamps; April 6th, Edison Electric Appliance; April 13th, Railroads; April 20th, Electric Refrigerator; April 27th, Fractional Horsepower Motor; May 4th, Electric Refrigerator.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

February, 15, 1929

No 2



Richard Ankenbruck



Herbert Shive



George Dierstein



Paul Perry



A. J. Richart



Wallace McKay

Twelve Apprentices Complete Training

SINCE the last published report, twelve students have completed their apprentice training and are now regularly employed along lines for which their training has especially fitted them. One is a graduate of the patternmaker course; one finished the electrical tester course; three took the machinist and toolmaker course and the other seven took the training for draftsmen.

A. J. Richart and Floyd Pitsenbarger completed their work on December 1st. Richart took the machinist and toolmaker course and Pitsenbarger completed the draftsman course. Mr. Richart, a native of Kansas and graduate of a high school in Oklahoma, had taken an accountant's course and had been employed by the Western Electric Co. at Chicago before coming to Ft. Wayne Works to take our apprentice training course. At present he is employed on special work in the Apprentice Dept. Mr. Pitsenbarger is a native

of Ohio where he graduated from high school. He took a correspondence course in electricity before coming here to take the apprentice training. He is now employed in the Apparatus Drafting section under Mr. Felmlee, Bldg. 19-3.

Wallace E. McKay completed his course in electrical testing on December 7th. McKay is a Fort Wayne boy, a graduate of Central high, class of 1925. He has been active as a boy scout and now is a scout master. At present he is employed in the Manufacturing Standards Dept. of the Fractional Hp. Motor Division.

Richard Ankenbruck and Denton Manecke finished their courses on December 8th. Ankenbruck had selected the patternmaker course, Manecke the draftsman course. Ankenbruck is a Fort Wayne boy and is a graduate of St. Mary's commercial high school. He is a brother of Ray Ankenbruck, who works in Bldg. 17-4. At present Mr. Ankenbruck is working in the Pattern Shop for Mr. Thiele, Bldg. 10-2. Manecke

is from Ohio, a graduate of the Delphos high school. He took a correspondence course before coming here to enroll for the apprentice course. He is now working as a draftsman on fractional hp. motors under Mr. Norris, Bldg. 18-5.

Virgil Hoy completed his work on the machinist and toolmaker course on December 22nd. His home is here in our city and he attended both Central and South Side high schools. Before coming here he was employed for a time by the Western Union Telegraph Co. and also the Wayne Tank & Pump Co. He is now working in the Toolmaking Dept. for Mr. Renfrew, Bldg. 17-4.

Charles Beck and Herbert Shive completed their apprentice training on December 29th, both having taken the draftsman course. Beck, whose home is at Ossian, graduated from the high school there and was employed for a time before coming here to take up the



Floyd Pitsenbarger



Chas. Beck

300-29-1
Mysterious Figures?
Not at All!
Read Safety Paragraphs
Page VIII



Lester Heer



Virgil Hoy

apprentice training. He is now working in the Meter Drafting section under Mr. Danford. Shive, who is a Fort Wayne boy, is a graduate of South Side high school. He is now working for Mr. Wylie, Bldg. 16-3.

George Auer and Lester Heer completed their apprenticeship on January 5th, Auer graduating from the machinist and toolmaker course, Heer the draftsman course. Auer, who is from Fort Wayne, attended Central high school for a year before taking up the apprentice work. He is something of an athlete, playing on both volleyball and basketball teams and for a time managing both teams. He is now working in the Fractional Hp. Motor Manufacturing Standards Dept., Bldg. 3-3, under Mr. Hodell. Heer, who was born in Ohio, graduated from the Reading, Mich., high school and was employed for a time by the New York Central Railroad and also at the Overland automobile plant before coming to Fort Wayne. He is now working for Mr. Garrett in the Transformer Dept., Bldg. 19-2.

George Dierstein, a Fort Wayne boy and graduate of South Side high school, finished his course in drafting on January 12th. He has taken an active part in interdepartment athletics playing on basketball and tennis teams. He is now working for Mr. Kimball in the Drafting room, Bldg. 17-4.

Paul Perry completed his apprenticeship in Drafting on January 19th. He is a graduate of the South Side high school here in Fort Wayne and is now working for Mr. Seibt in the Drafting room at Winter Street Plant.

Twenty-nine new students have recently been enrolled on apprentice courses, bringing the present enrollment to 199. A survey shows that these are divided as follows: 116 taking the machinist and toolmaker course, 46 the draftsman course, 25 the electrical tester course and 2 the course in patternmaking. The new students are:

Machinists and Toolmakers

William Schible, a former student of Central high school; Harold Snyder, a graduate of South Side high school; Anthony Glenden-



George Auer



Denton Manecke

ning, a graduate of the Hartford Township Adams Co. high school; Rufus Benton Winslow, a graduate of the Westland high school at Greenfield; John LaVine, a graduate of the Roanoke high school; John Batzner, a graduate of the Tipton high school; Everett Cramer, a graduate of the Garrett high school; John Cover, a graduate of the Kirkland high school; Donald Wareham, a graduate of the Peru high school; Marvin Lampe, a graduate of the Milan Center high school; Weldon Halterman, a graduate of the Twelve Mile high school; Paul Merkey, a graduate of the Bluffton high school; Wilfred Holloway, a graduate of the Adrian high school; Wendel Ehrhart and Robert Deemer, graduates of Antwerp, Ohio, high school; John Cupp, a graduate of the Washington Center high school; Albert Midduagh, a graduate of the Lagro high school; Clarence Nussel, a graduate of the Brazil high school; Ralph Hursh, a former student of the Leo high school; Herman Korte, an eighth grade graduate of New Haven; Roscoe Brown, a former student of the Angola high school; Roger Boxell, a former student of the Sinclair high school; Reinhold Lepper, a former student of South Side high school, and Robert Taylor, of New Baltimore, Ohio, a high school graduate, who transferred to the machinist and toolmaker course from the Pittsfield Works.

Draftsmen

Glenn Stapleton, a graduate of Central high school; Lawrence Zuspan, a graduate of the Marion, Ohio, high school; Wallace Clayton and Harrison Cline, graduates of Stoney Creek high school; and Glenn Turnbull, a graduate of the Princeton high school.

Well Known Meter Engineer Dies

THOMAS DUNCAN, founder and president of the Duncan Electric Manufacturing Co., of Lafayette, and formerly a meter engineer here at our own Fort Wayne Plant, died at St. Vincent's Hospital, Los Angeles, Cal., on January 21st. Mr. Duncan had been ill for some time suffering from heart trouble and had gone to California to spend the winter.

Mr. Duncan was born in Scotland, December 26, 1865. After finishing common school he attended the Model School at Newton-Stuart in Ireland, where he became especially interested in the study of electricity and magnetism. After leaving school, however, he took up pharmaceutical chemistry but being imbued with the idea of following an electrical profession, he came to America in 1883. Not finding any desirable connection with electrical work he took up pharmacy. It was in 1886 following a visit to his old home in Scotland, that he entered the employ of the Sun Electric Co., of Woburn, Mass. The year following he came to our Fort Wayne Plant, his first work being in connection with incandescent lamp manufacture. In 1890 he secured a position in the Meter Dept. of the Thomson-Houston Electric Co., Lynn, Mass., and after becoming acquainted with the two types of meters they then manufactured, returned to our Fort Wayne Works and took charge of the Laboratory and meter testing. In 1893 he secured several patents on meters which were embodied in designs placed on the market by the local company in the following year. About 1898, Mr. Duncan resigned and accepted a position as meter engineer for the Siemens & Halske Electric Co., of Chicago. After the General Electric Co. purchased the Siemens & Halske plant, Mr. Duncan in 1901, organized and established the Duncan Electric Manufacturing Co., at Lafayette. He is credited with the unusual distinction of having taken out some two hundred patents on electric meters during his career.



J. Hamilton



Ed David



Denzil G. Hasty



R. C. Swartzol



Harley Ward

Every Day --- "A Better Way"

TWO men, J. Hamilton and R. C. Swartzol, Bldg. 4-5, shared the largest award granted on suggestions at Fort Wayne Works since our last published report. These two men suggested a change in the thickness of the next to the end laminations in the stators of Frame 1236 and 1248 Type SD motors to eliminate trouble due to splintering when the rabbet was turned in the outer edge. By using the thicker punchings as suggested, sufficient thickness of material is left after the rabbet is turned to prevent the trouble previously experienced. The award on this suggestion was \$100.

Ed David, Bldg. 6-3, received \$50 on a suggestion he offered in regard to packing vitaphone motors.

Denzil G. Hasty, Bldg. 22, received \$25 on his suggestion regarding the supplying of devices for use in stacking telephone transformer punchings in Bldg. 22.

John Roesener, Bldg. 26-5, made a suggestion in regard to supplying locating blocks for use on Wright dieing machines that brought him \$20.

Mary Quinn, Bldg. 4-5, was awarded \$15 on her suggestion regarding the sending of a copy of manufacturing instructions with orders for nameplates and tags in Bldg. 4-5.

J. F. Payton, Bldg. 26-2, suggested the supplying of an additional testing device in Bldg. 26-2 and was awarded \$10.

August H. Hinrichs, Bldg. 19-4, was awarded \$10 on his suggestion in regard to change in construction of M-12 clocks.

Awards in the amount of \$5 each were made on the following suggestions:

Albert Holthouse, Bldg. 26-5, guard for lathe in Dept. 900, Bldg. 26-5.

Bernardine Gocke, Bldg. 19-4, using shellacked washers for Y-39 motor coils.

Dorothy McMullen, Bldg. 26-2, supplying a guard at conveyor in Bldg. 26-2.

Warren M. Adams, Bldg. 19-1, eliminating the placing of winding data on certain apparatus test records.

Nellie Stute, Bldg. 4-1, lengthening center pin of spool-holders used in Bldg. 4-1.

A. E. Miller, Bldg. 26-2, change to equipment at treating tanks for GW-21 transformers in Bldg. 26-2.

Ralph Harwood, Bldg. 19-3, supplying a guard for P. & J. machine in Bldg. 19-3.

W. Welch, Bldg. 4-4, supplying additional gauges for Bldg. 4-4.

Chas. Swanson, Bldg. 17-3, supplying air lines at machines in Bldg. 17-3.

Clarence Shonebeck, Bldg. 4-1, removal and re-use of soldering pot in Bldg. 4-1.

Artista Baker, Bldg. 4-4, supplying a pedal and foot rest at taping machine in Bldg. 4-5.

Sylvester Rodman, Bldg. 26-2, supplying a stop switch at conveyor in Bldg. 26-2.

Harry Ganther, Bldg. 17-3, supplying a shelf for holding blueprints in Bldg. 17-3.

Albert Ray, Bldg. 4-5, installing blocks at M.G. set heat runs in Bldg. 4-5.

Paul Hapner, Bldg. 4-5, supplying guard at lathe in Bldg. 4-5.

T. J. Kitchen, Bldg. 4-1, re-use of scrapped shaft material in Bldg. 4-1.

Viola Kissinger and Cleo Mae Stickler, Bldg. 17-2, painting lavatory window in Bldg. 17-2.

Clara Ankenbruck, Bldg. 18-4, supplying a stamp for Frac. Hp. Motor Eng. Dept.

L. H. Devore, Bldg. 16-3, change the form used in Switchgear Production Dept.

Wilbert A. Ross, Bldg. 20-1, supplying a call bell at outside entrance to North elevator in Bldg. 17.

Lawrence W. Schuster, Bldg. 26-B, change to wedge material used in the Transformer Dept.

Richard Fawley, Bldg. 4-4, supplying a guard on bolt cutters in Bldg. 4-4.

Leo Walters, Bldg. 4-5, balancing certain MG set armatures assembled in Bldg. 4-5.

P. E. Schermerhorn, Bldg. 26-2, supplying guards at winding machines in Bldg. 26-2.

Glenn Thomas, Bldg. 17-3, rack for holding cutters in Bldg. 17-3.

E. Hartman and D. Long, Bldg. 4-4, supplying additional material on certain Fractional Hp. Motor cases.

George Schmiedes, Bldg. 19-4, marking 40-cycle T8 timer switch pinions.

Louis Stalf, Bldg. 4-4, installing stops at conveyor gates in Bldg. 4-4.

Mary Quinn, Bldg. 4-5, change to system of numbering nameplates in Bldg. 4-5.

Arthur Torbeck, Bldg. 4-1, change to tool used on press No. 3782 in Bldg. 4-1.

Arthur L. Bear, Bldg. 4-2, change to screen on press No. 16698 in Bldg. 4-2.

David Bridges, Bldg. 19-4, change to length of wrapper used on coils in Bldg. 19-4.

Chas. H. Francies, Bldg. 17-3, change to wiring on press No. 13817 in Bldg. 17-3.

Ruth Vetter, Bldg. 19-4, change to oil tube used with motor model No. 33498 made in Bldg. 19-4.

Eliza Princ, Bldg. 19-4, supplying a drip pan for paraffin in Dept. 418, Bldg. 19-4.

Herbert Habig, Bldg. 26-1, change to height of certain transformer casings.

J. M. Singleton, Bldg. 4-4, supplying drip pan for oil at lathes in Bldg. 4-4.

Andrew Nichter, Bldg. 17-4, supplying blowers at grinders in tool department, Bldg. 17-4.

E. E. Harrison, Bldg. 17-2, change to end ring die used in Bldg. 17-2.

Frank J. Votrie, Bldg. 4-1, supplying guard at emery belt, Bldg. 4-1.

John F. Fulk, Bldg. 20-1, supplying Circle T switches for machines in Bldg. 26-2.

(Continued on page VI)

Deaths

Martin Ertle

Martin Ertle, retired, formerly employed in our Carpenter Shop, Bldg. 10-1, died January 28th, at the home of a daughter, Mrs. Charles Rauscher, in Chicago. Mr. Ertle took employment here on November 11, 1909, as a carpenter and followed his trade until November 6, 1924, when due to his



Martin Ertle

advanced age and failing health it was necessary for him to give up his work. Until recently he had lived at 336 Arcadia Court with his son-in-law, J. M. Richardson, Switchgear Engineering Dept. The funeral was held at Chicago on February 1st with interment also at Chicago.

* * *

Mrs. Lucile Stephenson

MRS. Lucile Stephenson, Radio Transformer Dept., the wife of Ray Stephenson, a machinist in the General Service Division, Bldg. 20-1, died January 6th, at St. Joseph's Hospital as a result of burns received New Year's eve. Both Mr. and Mrs. Stephenson were severely burned that evening after work when they attempted



Lucile Stephenson

to rekindle a fire in their hard coal burner using kerosene. Both were taken at once to the hospital but with the best treatment it was impossible to save Mrs. Stephenson's life. Mr. Stephenson is on the road to recovery.

Mrs. Stephenson was first employed in May, 1922, in the Insulation Dept., Bldg. 10-3, just a few days after her husband had started work here at our Broadway Plant. In February, 1924, she gave up her position here but was

re-engaged in the following month. After her re-engagement she worked first as an assembler in the Meter Dept., but was later transferred to work as a winder in the Transformer Dept. She became very proficient as a winder and was generally conceded to be one of the speediest operators in bell and radio transformer work. In her service here she readily made friends of all with whom she came in contact. At the time of her death she was only 26 years of age. Employed here besides her husband, is a sister, Ruth Shaffer, who also is a winder in the Radio Transformer Dept.

The body was taken to the home of her father at Van Wert, Ohio, where funeral services were held.

G-E Apprentice Alumni Elect Officers

AT the regular quarterly meeting of the Apprentice Alumni Association held at the Chamber of Commerce on January 23rd, officers for the year 1929 were elected from a list of candidates previously announced. As is the custom at these quarterly meetings, dinner was served and the members then had the opportunity of listening to a speaker of note. The principal address of the evening was made by the Rev. Arthur J. Folsom, who chose as his subject "Character Building and the Value of a Well Chosen Vocation." Forty-

five members were present at this meeting, the special guests being the Rev. Folsom, E. A. Barnes, C. H. Matson and E. L. Simpson.

The new officers elected are: Virgil Asher, president; John Craig, vice president; Paul Breimeier, secretary-treasurer. The retiring officers are Paul Weitzman, president; Carl Schlenker, vice president; and Raymond Kierspe, secretary-treasurer.

Firemen Stage Big Party

THE firemen of Fort Wayne Works and a number of invited guests met at the home of Fire Chief Paul Grimme on the evening of December 29th to help him celebrate the 25th anniversary of his taking employment with the General Electric. In all there were over 70 people in attendance at this party, a crowd which necessitated the use of the whole house. For entertainment the guests played cards. During the course of the evening a buffet luncheon was served and everyone had a royal good time.

Besides the local members of the volunteer fire department, the list of guests included: J. H. Evans, A. M. Snodgrass, Wm. Wehrs, H. Stahlhut, E. W. Lankenau, F. Brown, Max Holz, E. L. Simpson, R. Hoffman, G. Waldschmidt, C. R. Olsen, C. M. Schnieders, R. J. Gollmer, E. Harkenrider, Chief Stahlhut and Chief Kavanaugh of the city, and Sheriff Emrick and sheriff-elect George Gillie.

The committee which arranged the party consisted of Ed. Miller, chairman; George Doehla, D. Hamilton, C. Reynolds, E. Hamilton, J. D. Schwartz, C. Boyce, E. McVey, F. Martin and H. Zimmerman.

"A Better Way"

(Continued from page V)

Wm. L. Himmelein, Bldg. 4-1, supplying equipment for washing stators in Bldg. 4-1.

Everett W. Smith, Bldg. 4-3, supplying an oil guard at machine in Bldg. 4-3.

Louis Stalf, Bldg. 4-4, change to trays used in Bldg. 4-4.

Wm. H. Molthan, Bldg. 26-4, change to operations on D7 relay hubs.

Arthur McNamara, Bldg. 19-5, supplying a cover for solder pot in Bldg. 19-5.

Gail P. Kern and Carl W. Reynolds, Bldg. 3-3, change to size of stock used for certain Frac. Hp. Motor parts.



Two G-E Girls Know Captain Fried

LAST summer Hilda and Anne Rastetter, of the local G-E Sales Office in Bldg. 18-2, had the interesting experience of becoming acquainted with the Captain Fried who so lately secured such prominent notice incident to the rescue of the crew of the disabled Italian freighter, *Florida*. During their vacation last summer, the Misses Rastetter went abroad and it happened that on both their crossings of the Atlantic they were passengers on the U. S. Lines steamship, *America*. Quite by chance on the outward trip the girls met some special friends of Captain Fried who were aboard, and through these new acquaintances not only met the captain, but were included with his friends as guests at a private dinner party in the captain's cabin. The girls say that while the captain is quite reserved, yet withal he proved a most genial and interesting host. Through his courtesy they were enabled to inspect all parts of the boat, a privilege they would not otherwise have enjoyed. The accompanying picture shows the captain in uniform standing on the bridge of the *America* amidst his guests. Acquaintances will recognize the Misses Rastetter in the front row of the group.

Foremen Stage Interesting Events

ON January 29th the G-E Foremen's Association held one of the most interesting meetings of the year. This was a dinner meeting at which department heads, division superintendents and the Works executives were present by special invitation. The club had secured Herbert W. Heinrich, assistant superintendent of the engineering and inspection division of the Travelers Insurance Company of Hartford, Conn., as the speaker of the evening. Mr. Heinrich spoke on the general subject of safety and in his address gave his audience some new and valuable viewpoints on the problem of accident prevention. You will find an interesting sketch of



SNAPPED WITH CAPTAIN FRIED
Hilda and Anne Rastetter Posed in this Group
with Captain Fried

this address under the heading Safety Paragraphs in this issue. Accident prevention is of such vital interest to everyone and the speaker was so ably qualified to speak on the subject that it was a rare privilege to be present at the meeting and hear Mr. Heinrich's address.

In the present month an outstanding event on the social calendar of the Association was held on the evening of February 13th. This was a Valentine dance and was given in the gymnasium of the G-E Club. The Unique orchestra of eight pieces was engaged to furnish the music and with the wonderful floor of the gym cleared for the dancing there is every reason why this dance should be remembered as one of the season's most enjoyable affairs. As this is the month in which members from the Meter Dept. are required to plan an event, the club's regular entertainment committee was assisted by the following members from the Meter Dept.: A. M. Snodgrass, H. Andress, F. Schafenacher, R. Dolan and C. Dixon.

New Committees Appointed

UNDER date of January 21st the personnel of the G-E Club's various standing committees for the year 1929 appointed by President Schnieders was announced by Secretary F. Quinn. It is interesting to note that at the same time a committee to arrange the annual Christmas party was appointed, a very practical action, as this gives the members of that committee almost a year to collect information, consider various ideas and lay

their plans to make the 1929 Christmas party the success everyone would wish it to be.

The committee on athletics is composed of E. Harkenrider, chairman; A. Konow, L. J. Schnieders, Wade Reed and G. R. Lindemuth.

On the entertainment committee are: C. H. Baade, chairman; Esther Moll, Paul Grimme and S. C. Newlin.

Publicity is to be handled by M. F. Ensiedel, chairman; Wade Reed, X. J. Divens and Alvin Konow.

To arrange boxing matches: A. M. Snodgrass, chairman, and C. H. Baade.

On the special committee for the Christmas party are: W. J. Hockett, chairman; M. F. Ensiedel, W. F. Melching, Neal Hench and Esther Moll.

L. P. Wright Granted Disability Relief Pension

LOUIS P. Wright, leading operator in the electric anneal in Bldg. 22, has been granted a disability relief pension effective from December 6, 1928. Mr. Wright has been employed here since November 24, 1902. October 9, 1928, was the last day that Mr. Wright was able to work and since then he has suffered the loss of his right leg.



Louis P. Wright

His illness and operation, it is feared, have permanently incapacitated him for further work. Mr. Wright is a member of the G-E Quarter-Century Club, his application for membership having been approved in December, 1927. His first work here was as a punch press operator, but since 1908 he had been associated with annealing and flash enameling work. For a number of years in fact, he was the foreman in charge of this work, but after the annealing and enameling was combined with punch press work under the direction of Foreman F. J. Schwartzkopf, Mr. Wright continued as the leading operator in this work. Mr. Wright lives at 2014 Gay Street.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13 February 15, 1929 No. 2

Safety Paragraphs

SAFETY at the Fort Wayne Works received quite an impetus by the recent visit of H.W. Heinrich, assistant superintendent, Engineering and Inspection Division of the Travelers Insurance Co. Mr. Heinrich made two talks at the Fort Wayne Works on January 29th, one at 4:00 p.m. in the G-E club gymnasium to all the members of the General and Divisional Safety Committees which comprise over 200 people, the other at a dinner meeting of all foremen and executives of the Fort Wayne Works in Bldg. 16-2 under the auspices of the Foremen's club.

Mr. Heinrich pointed out the difference between the cause of an accident, the accident itself and the injury or the result of the accident. We are prone to mistake the injury for the accident and call accidents, major or minor, whereas it is the injury that is major or minor. For example, suppose that someone spilled some oil on the floor and you step on this oil, slip, fall down and in the fall strike your head on the floor and bruise it. The oil on the floor is the cause of the accident; the act of slipping and falling is the accident and the bruise on the head is the injury or result.

Mr. Heinrich also pointed out that our big field of endeavor in safety work is the potential accidents or accidents that result in no injury, in other words those close calls. After investigating over 75,000 accidents he is able to estimate the frequency of no-injury accidents to the frequency of accidents which do result in injury as follows: In a unit group of 330 accidents, 300 result in no injury, 29 in minor injuries or first aid cases and one in a major or lost-time injury. That means, if we refer again to the example of the oily floor, that the act of walking over this oil is a potential accident and that if we should walk across this 330 times, there would be 300 times which if we did slip we would probably catch ourselves or in other words no injury would result, 29 of the times we would bump our head, elbow or some other part of the body with sufficient injury resulting to require first aid and one time we would probably break an arm or leg or some other injury would result serious enough to cause loss of time.

Of course, there are accidents which result in injury the first time an error is made, but by far the greater number of accidents occur after the error has been made many, many times with no injury resulting. For example, an employee in going to and from work took a short cut which obliged him to climb a fence and cross a railroad siding that was a part of the plant premises. Cars spotted at this point frequently prevented a clear vision of the track and the

noise of the plant machinery made it hard to hear warning whistles and bells. One day at noon this man stepped from behind a freight car directly in the path of an oncoming engine. Crossing the tracks at this point was forbidden and notices to that effect were posted. A fence was provided. Trainmen used whistles and bells. In short the situation was normal, except for non-enforcement of instructions. The employee admitted that he had crossed the track four times a day for two and one-half years or approximately 3000 times prior to his injury. 3000 times he had exposed himself to the hazard before an accident occurred which resulted in serious injury.

Now, if every one in the plant would watch for these close calls or potential accidents and determine the cause and eliminate it before the one accident happens which will result in an injury serious enough to cause loss of time, our number of lost-time accidents will be greatly reduced.

L. C. SWAGER,
Safety Engineer.

A Record to Be Proud Of

THE annual report of Fire Chief Paul Grimme shows that the total fire loss for Fort Wayne Works during the year 1928 amounted to only \$677.81. Considering the degree to which we make use of very inflammable materials in the course of our manufacturing processes this record is certainly one to be proud of. In fact, \$78.52 of this loss was occasioned by water from an automatic sprinkler in the Shipping Dept., that let go where there wasn't any fire. Two departments, the Wire and Insulation and the Tool Division had no fires during 1928, a fact of which these sections may well be proud. A tabulation of the fire record for the various departments follows:

	No. of Fires	Loss
Frac. Hp. Motor.....	3	00.00
General Service.....	2	00.00
Apparatus.....	3	\$266.74
Transformer.....	5	00.00
Wire and Insulation.....	0	00.00
Tool.....	0	00.00
Meter.....	4	\$322.55
Shipping (Sprinkler loss).....	1	78.52
Winter Street Plant.....	4	00.00
Decatur Plant.....	1	10.00

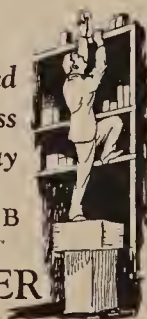
**"keep your feet
on the ground!"**



Maybe our ancestors
did this—but

nobody
ever climbed
to success
this way

IF YOU MUST CLIMB
USE
A GOOD LADDER





By L. A. HAWKINS

AS the year 1928 came to a close, 25 per cent of the total production of the General Electric Company was made up of new lines of apparatus developed since the war and representing fields of activity in which the General Electric Company was not engaged ten years ago.

If the remarkable growth of the Company's business in recent years is analyzed, it becomes evident that much of it has been brought about, not by increases in the older lines of production, but by broadening out into new fields, such as radio broadcasting and electric refrigeration. Some of the older lines have grown satisfactorily in volume, fully keeping pace with the growth of the industry. But others have been nearly stationary and a few have decreased, as the result of changes produced by new developments. Arc lighting, for instance, has diminished because of the development of highly efficient, high power, incandescent lamps.

The more one studies the history of the General Electric Company's business, the clearer becomes the importance of research and engineering development. It is not only that constant improvement of quality and reduction of cost have been essential in maintaining the Company's leading position in electrical manufacturing. It is of course plain to everybody that in any competition, industrial or otherwise, one who is not continually advancing is certainly losing

ground and will inevitably be distanced by more progressive rivals. But research and engineering development have a greater significance than that in modern industry. Not merely the rivalry of obvious competitors must be met. Under present industrial conditions, new competition may appear from most unexpected quarters. The appli-

L. A. Hawkins, author of this article, has been connected with our Company ever since he graduated from college 29 years ago. A Quarter Century Man, and one who has been continuously identified with the growth of G-E research work, he is in an admirable position to tell us why research pays.

cation of science to industry, through the rapid growth and multiplication of industrial research laboratories, is constantly and sometimes suddenly shifting the basic conditions of industry and completely altering the nature of the competition.

The cotton industry of New England was able to maintain a fair degree of prosperity in spite of the growing competition of Southern cotton mills. But with the invention of "rayon" came a blow as unexpected as it was paralyzing, destroying a large part of the market for cotton goods. The salvaging of the wreckage of the New England cotton industry is still an unsolved problem. Meanwhile idle mills have brought poverty

and deprivation to thousands of workers, huge financial losses to stock-holders, and distress to entire towns and cities, which were largely dependent on the cotton industry.

Many other instances could be cited from the industrial history of the past ten years. One, which comes closer to the General Electric Company, is that of the phonograph companies when radio broadcasting came. The Victor Talking Machine Company had a proud record as a payer of steady and unusually large dividends over a period of fourteen years, but the new and unexpected competition of radio broadcasting forced it to pass its dividends. Its salvation was found, first by combining, with the help of the radio interests, phonograph and broadcast receiver in a single instrument, and then through a financial consolidation with the radio interests themselves.

Meanwhile those companies, which, like the General Electric Company, had been foremost in research and development in the new radio field, had been profiting from the first by the growth of broadcasting and have been sharing in the gains from the radio-phonograph consolidation.

The business methods of the village store cannot survive in competition with department stores, mail order houses, and chain stores. Likewise the old-fashioned manufacturer, content to continue in the future as in the past, with traditional methods and materials, making from time to time only such minor improvements as experience suggests, is in most cases headed for bankruptcy. Science has been brought into industry and is here to stay, and science in industry means change, even as does yeast in dough.

Those companies which most clearly perceive the significance of industrial research, most diligently prosecute research in their fields of interest, and most quickly and fully utilize the results of research in engineering development, are in the best position to grasp the opportunities presented by changing conditions and are certain to profit most largely. And those companies that lag behind in these respects are certain to see their output diminishing.

Industrial research is industrial insurance. It is the best guarantee of continuing prosperity. It affords protection to staple products by constantly improving them to meet normal competition and guarding them as well as may be from surprise attacks by developments in other fields. It also broadens the base on which that prosperity rests, by opening up, through new knowledge, new lines of endeavor leading to new and profitable products.

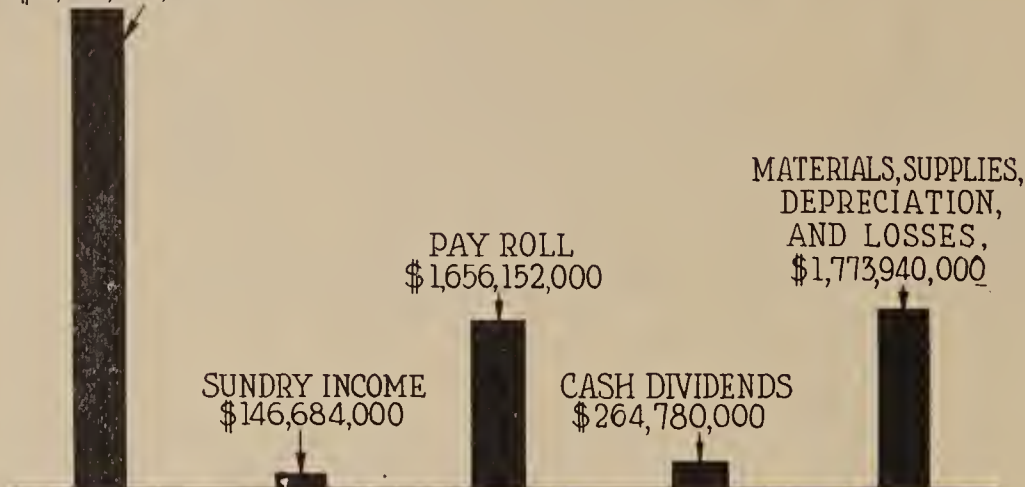
Modern manufacture is applied engineering. Modern engineering is applied science. Even as an industry needs for its production an increasing supply of raw materials, if it is to expand continuously, so, for its engineering developments, it needs an increasing supply of scientific knowledge. To produce that knowledge is the function of the industrial research laboratory.

To Manage Russian Business

THE appointment of H. H. Dewey, of Schenectady, as vice president of the International General Electric Company, Inc., has been announced by President Clark H. Minor. Mr. Dewey has been assigned supervision of all interests of the Company in connection with Russian business. Mr. Dewey was called upon to go to Russia in 1927 and again in 1928 on plans for public utility developments in that country.

SOME THINGS THE G-E. HAS DONE IN 36 YEARS

NET SALES BILLED
\$4,050,092,000



Schwab Tells Rules for Keeping Prosperity

WE have reached in this country an amazing degree of general prosperity, with American business on the whole no longer facing an uphill climb, declared Charles M. Schwab, chairman of the Bethlehem Steel Corporation in an interview published in the *New York Times*. The problem today, as he sees it, is an entirely new one. It is what to do to make prosperity permanent. Of course no one, he holds, has any patent rights to continuing business success.

"There are a few fundamental considerations which all of us may find helpful to keep in mind," said Mr. Schwab. "The following ten rules seem to me to hold the key to lasting prosperity:

"Pay labor the highest possible wages. Prosperity is intimately related to a liberal wage scale.

"Treat labor as a business partner. Successful industry depends more on human relations than upon the organization of money and machines.

"Conduct business in the full light of day. Public confidence and public suspicion may be separated only by a door.

"Remember that the law of supply and demand is inexorable. It would also be well to remember that there is no necessity for producing an excess.

"Live and help live. Even prosperous industries cannot afford to have the backward industries too

far behind the procession. Prosperity to be permanent must be equally distributed.

"Welcome new ideas. To establish permanent institutions we must always be prepared for change.

"Never be satisfied that what has been achieved is sufficient. Smugness and complacency do not promote progress.

"Operate business on the most economical basis. Price-cutting, over-expansion, uneconomical methods of distribution are just as harmful to business and to the public as price-fixing, monopolies and rebates.

"Look ahead and think ahead. It is easier to avoid depressions than it is to cure them.

"Smile, be cheerful, and work upon the basis that the fundamental purpose of business is to promote the happiness of human beings."

Orders Increase

ORDERS received by the General Electric Company during the year 1928 amounted to \$348,848,512 compared with \$309,784,623 for 1927, an increase of 13 per cent, President Gerard Swope has announced. The orders for the December quarter amounted to \$88,162,049 compared with \$76,708,532 for the last quarter of 1927, an increase of 15 per cent.

Lamp Sales Grow

SALES of incandescent lamps in the United States during 1928 were approximately 319,000,000 large size and 240,000,000 small size lamps. This is an increase of about 1,500,000 in the large sizes over 1927, and 20,500,000 in the small sizes over the previous year.

Sales during the past year were the largest in the history of the industry. The new type lamps with inside frosted finish, introduced two years ago, have met with marked success.

The Schenectady Relief and Loan Plan

By HARRY CHRISTIAN, *Schenectady Works*

THROUGH smiling days of prosperity and good health we seldom think of what may be lurking just around the corner. It is well that we can take the most cheerful outlook, for we are at our best when we are most carefree. We can be most contented, however, when we know that every possible emergency is provided for. The emergencies that dog our footsteps most are those of sickness, with its great expense, disability, and an old age not provided for.

The Relief and Loan Plan, now operating in the Schenectady Works, is not a panacea for all our woes. But what a wonderful opportunity it gives to help dispel the old shadows of these possible emergencies, just named!

We business-like Americans have been taught through experience to count the cost. The Relief and Loan Plan can meet any possible arguments on this score. Each member contributes \$.50 a month, of which \$.45 is merely a loan returnable, with 5 per cent compound interest, when the member is pensioned. The other \$.05 goes into a relief fund—is contributed to help the less fortunate, or mayhap, ourselves. In other words, for less than it takes to keep the old tobacco pouch filled, an emergency loan fund is made available to us if we need it, with the privilege of borrowing without interest or embarrassment an amount sufficient to meet an emergency. And for the price of a package of gum per month we are creating a relief fund for those less fortunate.

How can this be done so cheaply? In the first place the General Electric Company contributes an amount equal to the amount contributed by the employees. In the second place the business is conducted without cost of administration; and trustees and active workers have cheerfully contributed their services free.

"But why should I join?" some Schenectady folks have

asked. "I will never need its benefits myself." Well, brother, we sincerely hope that is true, but what about the other fellow? Every link that



Harry Christian

Harry Christian, author of this article, is a member of the Quarter Century Club and a well known Schenectady Works employee. He has been active in the Relief and Loan Plan from its inception, and now serves on the sub-committee to consider loans, and as vice chairman of the board of trustees. He is also chairman of his section of the Mutual Benefit Association.

binds men together to relieve distress and strews with roses the path of life is a blessing to the world, and this same link binds men more closely together.

Every act of kindness, every deed of service or aid we give, enriches and ennobles the life of the giver. Life was never intended to have bundles of endless joy and benefits dumped at our feet. If that is the motive that prompts us to serve our fellow men, our lives are a complete failure. To bid for applause is cheap, far cheaper than the plaudits we receive. We do our best work when we just do it because we love to serve our fellow men.

Inasmuch as we do not know our neighbors' hopes, struggles, and despairs, it behooves us at all times to speak the word which will cheer and encourage. What a record it would make if we could catalogue the many lives that have been helped in this manner!

How little we really know about the men and women we meet in the shop. How often we hear it said, concerning someone who has been knocked cold by despair, "I had no idea it was as bad as that." And how we are tormented with the thought that we might have helped! Now, in Schenectady, we have an organization, The Relief and Loan Plan, which is well equipped to extend a helping hand. Here is a case of a man, head of a family, confined to the hospital with an incurable malady. He received \$200 to help carry him through without worry to his family. Here is another hospital case, where a similar amount was extended. And so we might quote case after case. There are some 30 pensioners, for instance, who receive from \$10 to \$30 a month from the relief fund to help carry them comfortably through an old age and well deserved rest. Would anyone begrudge five cents a month in such a cause?

The Relief and Loan Plan has been operating at the Schenectady Works for more than two years, and has enlisted the enthusiastic support of thousands of employees. Already G-E folks in other Works throughout the country have learned of its success, and seek to establish similar plans in their own Works.

One Works—the Philadelphia Works—has had the possibility of adopting a Relief and Loan Plan under consideration for a good many months, and within the past few weeks it has been decided to give the plan a try. The by-laws are being published in the February issue of Philadelphia Works paper. How long will it be before every one of our G-E Works is blessed with a Relief and Loan Plan of its own?

Facts About the Relief and Loan Plan, Schenectady Works

- Organized in November, 1926.
- Number of active members, 6637.
- Amount in Loan Fund, \$115,505.17.
- Amount in Relief Fund, \$12,252.77.
- Total amount in treasury, \$127,757.94.
- Total number of loans, 884.
- Total amount of loans, \$104,090.99.

Here and There With the G-E Camera Man



A locomotive on the Bribano-Agordo Line, Italy, electrified by the Italian General Electric Company



Professor Elihu Thomson at Lynn inspecting a fused quartz astronomical mirror, cast experimentally in preparation for the new 200-inch mirror to be made by G-E shortly



The shaft in Washington, dedicated to the memory of the Father of Our Country, whose birthday we celebrate this month
Photo by Ernest L. Crandall



One of the huge propeller motors installed in the S.S. Virginia by G-E



Lie flat on your back and look up at this picture. It shows what winter does to the power lines of the Puget Sound Power and Light Co.



The S.S. Virginia, completely electrified by G-E, on her trial run from Hampton Roads, Va., to New York

Around the World with General Electric

New Zealand

"There wasn't enough wind for two windmills, so we took one down," says Moran, or is it Mack? of the celebrated black-face team. Down in Auckland, New Zealand, however, conditions are even worse. There isn't enough wind for one windmill. The windmill in question was built 82 years ago, and is one of the oldest structures in New Zealand. Depending on the wind for its motive power, this old mill has been turning out flour through its long period of existence. But now its long arms have ceased to swing and its machinery is idle. True, it is through no fault of its own, but it is not enough to blame the fickle wind; results are demanded now, and not excuses. And now although it stands ready to do its work, electric wires have been brought into it and two small G-E motors are grinding out the flour.

414787
Illinois

Now they mount our refrigerators on carriages with rubber-tired wheels. It has been rumored that the next development will be the inclusion of a refrigerator in a custom made body, mounted on a chassis with balloon tires. Of course, the rumor has not been affirmed, but it is true that Dr. J. Bank of Taylorville, Ill., has had his refrigerator mounted on a carriage. It will be used to hold serums and certain instruments, and was made portable in order that it might be wheeled into any one of the doctor's rooms as the need might be.

China

Changchun is the junction point of the Chinese Eastern and South Manchurian Railroads, and as the Chinese Eastern is of the Russian five-foot gauge while the South Manchurian is standard, all through cargo has to be trans-shipped there. In order to facilitate the handling of cars, six G-E L-24 projectors were installed on towers eighty or ninety feet in height. From reports so far the installation is a success.

New York

The largest moving-letter electric sign now in operation is the news bulletin recently installed for the *New York Times* in New York City. This giant bulletin is 380 feet long by 5 feet high, and entirely surrounds the Times Building, being visible on all sides from the street. It was placed in operation for the first time on Election night and since then has been in operation each evening. The sign is studded with 14,800 lamps on 4-inch centers and a message flashing its way around the building lights each lamp for 1-40th of a second. Yet the messages are extremely legible. The messages average 572 letters and characters, and are repeated 17 times an hour. Because of the speed of the flashing, special gas-filled lamps had to be used. These were furnished through the Lamp Dept. of our New York Office.

Near the South Pole

On December 24th, Stuart M. Crocker, assistant secretary of our Company, phoned a Christmas message to the *New York Times*, to be forwarded to Russell D. Owen of the *Times*, a former editor of the G-E MONOGRAM, who is now press representative with the Byrd expedition to the Antarctic. In reply, the following message came winging its way by radio across the stormy seas the next day "Thanks to Mr. Young and yourself for your kind message. Happy New Year to you both and my other G-E friends from Americans farthest south. Skoal!"

Texas

An "oil-boom" town in the old movie thrillers was always pictured with canals of mud for streets and crude filthy huts for homes. Now, apparently, the mud has dried and the huts have grown to comfortable modern homes. At least it is so in one "oil-boom" town in Texas. The sale of two G-E refrigerators was recently reported in Pyote, an oil town in western Texas.

New Jersey

How to get seven transformers, each weighing 72 tons, to a substation two miles up in the hills near West Orange, was the problem presented to our traffic department recently. The huge transformers had been shipped from the Pittsfield Works on special cars, but the substation was two miles from the nearest railroad station. It was finally accomplished by a New York trucking concern, using a 100-ton gooseneck trailer, towed by a battery of 10-ton trucks. Considering the fact that the road in some places had as high as a 10 per cent grade, we can gain some idea of the difficulties presented.

Atlantic City

The nerve-racking din and clatter of riveting hammers is swiftly becoming a thing of the past. New buildings rise silently now with the help of electric arc welders. An extension to the power house of the Haddon Hall and Chalfonte hotels of Atlantic City was recently erected swiftly and noiselessly without disturbing the guests of either hotel or the residents of the cottages in the neighborhood. The erection of the building was accomplished by the use of three G-E arc-welding sets, supplying three welding arcs, used by three operators with from 160 to 175 amperes, direct current.

Australia

Not all of the world's most modern hotels are in this country or in Europe. A hotel in Brisbane, the Carlton, has been equipped by our Australian company with radio receiving sets for each of the principal guest rooms, making use of the RCA Model 17 and 100-A loudspeakers. The receiving set is located in a small room on the ground floor and is equipped with a loudspeaker as a means of tuning in. Wires go up through the elevator shaft and are connected with feeder systems on the floors. In each bedroom the speaker stands on a small bracket, the bottom of which contains a switch and volume control resistance.

America's Longest Tunnel

G-E Plays Big Part in Helping Great Northern Railway to Conquer Cascade Mountains

JANUARY 12th was an outstanding date in the history of both engineering and transportation, for on that day the longest railroad tunnel in the United States and the fifth longest in the world was formally opened for train operation by the Great Northern railroad. At the same time the Great Northern's entire route through the Cascade mountains, consisting of about 75 miles of main line trackage, was changed from steam to electrical operation.

The tunnel cost about \$14,000,000, and including electrification and other improvements the total expenditure on the project has been approximately \$25,000,000.

The event was signalized by addresses over a country-wide radio hook-up by Her-

bert Hoover, President Ralph Budd, of the Great Northern, and other notables. The radio listeners were also able to hear an electric locomotive passing through the new tunnel.

The completion of this undertaking ended three years of incessant labor by more than 1600 men, equipped with the most efficient machinery for this kind of work that has yet been devised, and using electricity as the operating power. The work never ceased. Day after day, in three shifts each of twenty-four hours, it went forward until the eight miles of tunnel, straight as an arrow, had been bored through the mountains.

It will be a year ago on February 26th that another similar passage through the mountains—the Moffat tunnel on the Denver and Salt Lake Railroad, the longest railroad tunnel in the two Americas until the Great Northern completed its new passage through the Cascades—was officially opened to traffic. Nearly all the electrical equipment used in channeling through the six miles of rock was made by General Electric.

The Great Northern tunnel and the relocated east approach shorten



Top—

W. E. Conroy and C. O. Jenks opening the new Cascade Tunnel

Middle—

E. J. Kerr, assistant to vice president; C. O. Jenks, vice president; Col. F. Mears, assistant chief engineer; J. R. W. Davis, chief engineer; of the Great Northern Railway

Right—The last regular train running over the old snowshed route of the Great Northern Railway



the railroad's crossing of the continental divide by nine miles, lower the summit 502 feet, eliminate curvature equivalent to more than ten completed circles, reduce the mileage of 2.2 per cent grade crossing the Cascades by 18 miles, eliminate nearly eight miles of massive snow sheds, and lessen the mileage running through the tunnels and snow sheds by more than two miles. Passenger trains will cross the Cascades in an hour's less time, and the movement of freight will be bettered by three hours.

Moreover, because the new approach will have no serious snow problem, and the new tunnel will carry the tracks under the zone of the heaviest snowfall on the entire Great Northern system, these improvements will eliminate for all time delays incidental to snow and slides on the mountain sides and wipe out the heavy expense of keeping the tracks open in the winter time. In this section of the Cascades there is a considerable snowfall during the winter months. In many storms the snow falls as fast as a foot an hour, and in some localities accumulations of 20 to 30 feet of packed snow are common. It was to help eliminate the snow problem that the original Cascade tunnel was opened in 1900. This tunnel was 2.6 miles in

length and replaced a circuitous route of about 12 miles which climbed some 600 feet higher through a mountain pass.

The next step was the electrification of this tunnel during the

America's Longest Railway Tunnels				
Name	Location	Length Mi.	Built	
New Cascade	Gt. Northern Ry. Washington	7.79	'25-'28	
Moffatt	Colorado	6.11	'23-'28	
Connaught	Rogers Pass, B.C.	6.02	'13-'16	
Hoosac	Massachusetts	4.38	'54-'76	
Mount Royal	Montreal	3.09	'12-'14	
Cascade, G. N. Ry.	Washington	2.63	'97-'00	
Twin Peaks	California	2.27		
Snoqualmie Pass	Washington	2.25	'12-'15	

years 1908 and 1909, with equipment supplied largely by General Electric, including four 115-ton locomotives which were the first in this country to employ the principle of regenerative braking. For more than 18 years these four locomotives handled all traffic through the tunnel.

Then came the decision to construct this newest and greatest tunnel in the Western Hemisphere at an elevation 500 feet lower than the old tunnel, together with an 18-mile electrified cut-off on the east slope of the Cascades.

For this tunnel and electrification General Electric has also supplied a major part of the electrical apparatus. In the work of excavation, 39 mine type G-E locomotives were used, together with substation, power machinery and motors for compressors and other duty.

The completion of this new eight-mile tunnel within three years of the time it was begun, shatters by years all records for speed in driving long tunnels. Its construction in this short time required that the route be attacked at several different places. Obviously only a limited amount of man power and machinery could be brought into action through the east and west portals alone.

A deep valley above the route of the projected tunnel and about two and one-half miles west of the east portal helped solve the problem of how to dig at the tunnel in more than two places at once. From directly above the route of the tunnel a shaft was sunk 622 feet to what would be the subgrade of the tunnel. From the bottom of this it was possible to work toward both portals, thus affording four working faces.

Resort to another device multiplied these points of attack. An auxiliary tunnel, eight feet high and nine feet wide, was begun at two places and paralleled the main tunnel about 50 feet away. By



The first Oriental Limited entering the Cascade Tunnel



Graham McNamee telling the world about the official opening of the Cascade Tunnel



The first work train to pass through the Cascade Tunnel

cross-cutting to the route of the main tunnel about every 1500 feet, it was possible to get still more faces on which to work at the same time. This made it possible to employ as many as 1793 men in the tunneling operations.

An idea of the size of the job of digging such a hole in the ground may be gained from the fact that about 875,000 cubic yards of rock and earth were removed, and more than 264,000 cubic yards of concrete went into it.

The electric locomotives for hauling the trains over this 75-mile stretch of electrified line and through the new tunnel are the largest and most powerful of their type. Two new ones built by General Electric were recently delivered to the railroad. They are unusual in that they will utilize the economical advantages of both alternating current for the overhead trolley wires and changing it to low-voltage direct current for operating the powerful driving motors.

Another feature of these new locomotives is their regenerative braking. On the down grades when braking is necessary, the motors act as generators and regenerate from 30 to 35 per cent of the power required to move them on the up-grade. This current is fed back into the power lines, helping to move trains on other parts of the electrified section.

The regeneration of power also serves as a safe means of control on the down grades, making it possible to reduce the speed of heavy freight trains on the steepest grades from normal to two miles an hour without the use of the air brakes. It promotes not only economy of operation but the comfort of passengers. When this system is employed, all the braking is done by the locomotive, not on the wheels of the cars, thus obviating any rolling or pitching motion. On long

grades, great skill is required to retard trains equipped with the usual air brakes. The entire energy involved must be dissipated by the friction of the brake shoes on the wheels; sometimes the heat becomes so great that the train must be halted until the wheels cool down.

It was eighteen centuries ago that the Romans cut their most famous tunnel, tapping Lake Celano. That tunnel was but two miles and a half long, only about a third as long as the new tunnel beneath the Cascades. Yet it took eleven years to construct, and an army of thirty thousand men was used up—literally used up in the undertaking. Slaves and military prisoners were sent in to the workings to throw water upon the rock strata, which had been previously heated by long-burning fires; and as many as three thousand a year died at the work.

Again and again the water-carriers failed to emerge alive. Through the choking air they penetrated until they were close to rock-face, then cast their water against that glowing surface. Instantly vast clouds of steam rushed hissing, at them, and only the agile escaped a scalding. Their shouts and cries were mingled with deafening reports as the rock cracked and split under the sudden contraction. The murky light of torches, flickering wildly, made of the weird

scene a subterranean inferno; and the diggers who came in to dislodge the debris stumbled over the bodies of the water-men, lying beside their jars.

It is a far cry from that triumph of engineering of ancient days to the triumph of modern engineering which this Great Northern tunnel represents. In the interval between them, electricity has waved a magic wand.

What the New President Thinks of Safety

THE universal establishment of safe conditions—in our industrial plants, on our streets and highways, in our homes—is one of the highest responsibilities of public officials, of business executives and of the individual citizen.

"I am glad to testify to the accomplishments of the safety movement. In industry the awakening of management to its responsibility for the safety of employees has not only saved human life but has had far reaching effects in promoting a sound understanding between management and men. Without a doubt, it has greatly contributed to the marked advance which recent years have witnessed in the producing industries of this country. Our railroads have done marvels in accident

reduction. With the plans that have been worked out for the improvement of street and highway traffic conditions, the attention now being given to the subject by officials and organized bodies throughout the country, and the encouraging results already attained in some localities, there is reason to expect a distinct and nationwide improvement in this vital field.

"It is essential that we apply modern methods for increasing the safety of the people."

—HERBERT HOOVER.



G-E BOND DIRECTORS

Left to right—Seated: Edwin Kulmbacher, Philadelphia; W. W. Trench, Schenectady; W. F. Koenig, Fort Wayne; Chester W. Mathews, Schenectady; Charles M. Hall, West Lynn. *Standing:* H. Whittle, Bloomfield; James Burdock, Bridgeport; L. S. Mugford, Erie; F. H. Jeffries, Pittsfield; B. H. Evans, River Works; R. H. Schaumbury, Baltimore.

Watch Out for Fake Remedies!

By H. W. GARTON, Works Physician, Ft. Wayne Works

IF influenza and the other respiratory diseases and their complications could be prevented and cured as easily and effectively as the advertisements shown on this page would have us believe, epidemics of such diseases would be stopped dead in their tracks at the first kick-off. Those shown on this page represent only a few of the hundreds of ads that daily appear in our newspapers and magazines, and which in pamphlet form clutter up our front porches.

This is not only true in the field of respiratory diseases, but in the entire category of human ailments, from headaches to diabetes, from insignificant symptoms to the most serious maladies.

It is a sort of unwritten law in the study and consideration of diseases, that the larger the number of drugs that have been tried and recommended for a given condition, the less is known about any one specific remedy for the condition. That's why there are so many remedies for colds—because there is no one remedy which is absolutely certain. And this principle (plus the liberal use of high-pressure advertising) explains why it is possible for many products to survive the keen competition in the lucrative field of nostrums. If there were any one specific remedy known scientifically to prevent or cure a given disease, all the other thousand so-called remedies for the same disease would automatically disappear.

These mysterious shot-gun* formulas thrive on secrecy and ignorance—secrecy, as referring to the contents of the advertised remedy;

Aid to Digestion under its real name of baking soda and charcoal would not clothe the business with its proper dignity. Nor would it keep the red ink from the ledger; nor would it buy yachts and Rolls-Royce cars for Dr. So-and-So.

As a contrast to this method of exploiting the public, remember this: any real, honest-to-his-profession doctor, whether doctor of medicine, or science, or philosophy or what-not, who makes in his field an epochal discovery which will benefit the human race, does not keep his discovery a secret. He does not capitalize on it, clean up a few millions, and retire in luxury. On the contrary, his discovery is given to the world, its benefits are made available to everyone, and he proceeds in his field in the pursuit of other discoveries. As an illustration I submit the name of Dr. Banting, the man who discovered the drug insulin, the use of

Drink Lots of Water
—Guard Against Flu

There are two good reasons to guard against the flu. First, it is a very contagious disease. Second, it is a very serious disease. It can be prevented by drinking lots of water. It can be cured by drinking lots of water. It can be kept from coming back by drinking lots of water.

Avoid colds or "flu" by doing two easy things

Keep your system in good condition—protect your nose and throat

There is no one thing that will prevent colds or "flu" but there are two things that will. First, keep your system in good condition. Second, keep your nose and throat protected.

Don't fear flu
—fight it!

[Wash hands often with the purifying] toilet soap that removes germs

KEEP the virus by fighting it, not fleeing it. Fighting health maintenance work. Help protect yourself and your children by taking every precaution against its attack.

BEWARE THE COUGHS THAT FOLLOW FLU!

They May Weaken Your System and Lead to Serious Trouble

You are not alone with Coughs. They are the most common of all ailments. They are the most dangerous of all ailments. They are the most persistent of all ailments. They are the most annoying of all ailments. They are the most costly of all ailments.

AVOID the FLU

KEEP the system flushed out clean if you would avoid the flu.

Don't wait till you feel it coming on. Take Flu-Minor before you feel it. A small amount of Flu-Minor before you feel it will keep you from getting it. It will keep you from getting it. It will keep you from getting it.

666 vs. INFLUENZA

To combat the flu, take 666 every three hours till it acts well on the bowels, then three times a day. As a preventive, take it two or three times a day. 666 was found to be one of the most effective remedies during the last epidemic.

Special Bulletin
Protect yourself from the after-effects of **FLU & COLDS**

A knowledge of the various methods of attack on the body is the first step in the fight against disease. With a knowledge of the various methods of attack on the body is the first step in the fight against disease. With a knowledge of the various methods of attack on the body is the first step in the fight against disease.

KILL THAT COLD!

Guard Against THE "FLU" PERIL

Bulgarian Herb Tea

It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu.

AVOID the FLU

KEEP the system flushed out clean if you would avoid the flu.

Don't wait till you feel it coming on. Take Flu-Minor before you feel it. A small amount of Flu-Minor before you feel it will keep you from getting it. It will keep you from getting it. It will keep you from getting it.

Influenza
—kill the germs in nose and throat

COMMON SENSE is the first step in the fight against disease. With a knowledge of the various methods of attack on the body is the first step in the fight against disease. With a knowledge of the various methods of attack on the body is the first step in the fight against disease.

Nasal Cheeking
"Flu" Everywhere

NOZOL

It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu.

An Open Letter to
Druggists of Chicago

Sound Advice To Our People About The Danger of **Influenza**

Let's Fight This Epidemic with **KOJENE**

Those in Danger of "Flu" Grip and Pneumonia

are those who are weak and run down. They are those who are weak and run down. They are those who are weak and run down.

Doctors Everywhere Urge
Citrus Fruits as Effective "FLU" Preventive

Florida Roshing Oranges and Grapefruit to Epidemic Cities

Don't Let That Cold Turn Into "Flu"

MUSTEROL

It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu.

When Flu Threatens
Guard Your Nose and Throat

GLYCO THYMOLINE

THE GREAT THROAT NORMALIZER

Grippe and "Flu" Relieved

LUDEX

It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu. It is the most effective remedy for colds and flu.

ignorance, as referring to the uninformed public, which is by nature ready and willing to grasp at any straw that gives promise of relief from its afflictions. With few exceptions, the ingredients of these products are not printed on the label. "A rose" under any other name "would smell as sweet," perhaps. But Dr. So-and-So's Magic

*Shot-gun formula—A bullet from a rifle or revolver either hits or misses its mark; a shot-gun load scatters widely and one or two of the shot may manage to hit the target. Many prescriptions are concocted on the same principle.

which in the treatment of diabetes has benefited the whole human race in an immeasurable degree. Many, and perhaps most, of the drugs which are used in secret advertised formulas are perfectly safe and perfectly harmless—perhaps even beneficial when they are used at the right time and in the proper place. Many of these drugs are used by your family physician, perhaps for controlling certain symptoms of your disease while he is helping you to get well. But he does not tell you that they are

(Continued on page 12)

Keeping Faith With the Public

Associated Gas and Electric Company Owes Its Success to Sound Management, Good Will, and Efficient Service

WHEN the flickering gas light was still looked upon as the height of luxury, some of the gas companies which are now a part of the Associated Gas and Electric Co. started business. The first was the Worcester Gas Light Co., Worcester, Mass., which was organized in 1849. This was followed by the Ithaca Gas Light Co., Ithaca, N. Y., and the Cambridge Gas Light Co., Cambridge, Mass., in 1852; and by the Johnstown Water and Gas Co., Johnstown, Pa., in 1856. These companies were faced with real pioneering work, for there were superstitions to be overcome. And there were leaky mains, imperfect methods of making gas, and only the simple jet burners which people unused to gas light were constantly blowing out. The going was far from easy, but now the experience built up over a period of almost eighty years of service gives the Associated Gas and Electric Co. a prestige and soundness not easily matched by any other utility group.

Then in 1879 Thomas Edison invented the incandescent electric

lamp, and a number of electric light companies, now in the Associated system, were among the first to generate and distribute electric light and power. Only three years after Edison's Pearl Street station was opened in New York, the Johnstown Electric Light Co., Johnstown, Pa., started business. Then, much to the astonishment of the people of Long Island, in 1887, E. H. Terry installed two small turbines in an old grist mill and furnished the first electricity in Patchogue. People flocked from miles around to witness the switching on of the street lights for the first time. Later a demand for indoor lighting arose and a company was organized to light the homes of Patchogue.

Perhaps the most interesting development, illustrating the haphazard way in which the electrical industry expanded at first, took place in Lancaster, N. Y., in the early 90's. Ernest Fayler began generating power in the back of his dry goods store to light his premises. Soon fellow merchants saw that better lighting meant better business, and before long Mr. Fayler was generating "juice" for them too. But the back of his store was too small to accommodate the increased load, so he bought an old wagon shop and made it the headquarters of the Lancaster Electric Light Co.

These individual companies struggled along by themselves for many years and it was not until early in 1900 that the idea of group management became current. And then only a few men of keen foresight were able to visualize the benefits to both the customer and gas and electric companies of a mutual engineering and financial organization. The Associated Gas

and Electric Co. was organized in 1906 with a group of central New York utilities as a nucleus. And since then, due to its excellent management, it has grown until it now serves 600,000 customers in 16 states, the Canadian Maritime Provinces and the Philippine Islands.

The Associated Gas and Electric Co. has operating properties valued at \$245,000,000, including 3154 miles of transmission lines and 1589 miles of gas mains. The wide and even distribution of Associated securities is noteworthy. Of its 65,000 investors, over 97 per cent hold less than 100 shares each. The fact that 36,000 customers own \$22,000,000 in Associated securities is an indication of the good feeling that exists between the Company and its customers.

That the group management plan has justified itself is revealed in some figures accompanying the last annual report of the Company. In the period from 1921 to 1927 inclusive, there has been a 72 per cent increase in the number of customers, a 75 per cent increase in gross revenues and 118 per cent increase in electric kilowatt-hour sales. During the past three years over \$39,000,000 has been expended in new construction and improved service. And the paid up capital and surplus now amounts to \$100,000,000.

With its sound management, public good will, and increasingly efficient service, such a company as the Associated Gas and Electric Co. makes an ideal place for the investment of the money of the Employees Securities Corporation.



Steam Plant, Portsmouth, N. H.



Steam Plant, Seward, Pa.



These Three Guards Were Struck By Flying Splinters, But Did Not Shatter

Safeguarding Your Eyes

By J. A. MUIR, *Baltimore Works*

ONE of the most prolific sources of industrial injuries in General Electric plants, if not the most prolific of all, is the grinding wheel. A very large number of our accidents result from the particles of emery or other abrasives which sometimes fly from small tool or other grinding wheels in the shops.

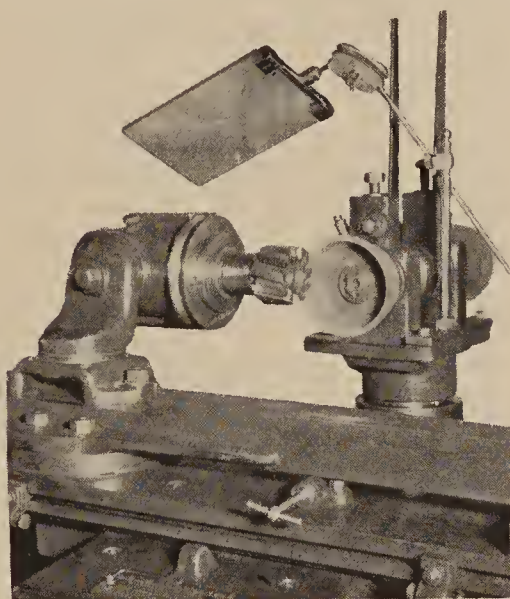
Anyone familiar with good safety practice considers it almost criminal, and certainly against all rules and regulations, to use one of these wheels without first protecting the eyes by goggles. But not one man in a hundred, if he just has a small tool grinding job to do, will put on goggles while he is doing it. Consequently, calls on Works dispensaries to remove small particles

of emery from eyes have always been common, and have given steady employment to the nurses

either equipped, or are equipping, their wheels with guards of this type.

The original guard was designed solely for the small tool grinder. But the demands of the workers, after they saw how valuable it was on the small grinders, made it necessary to design the complete line, so that every type of grinder might be so equipped. The result is the series illustrated on this page: the small single bracket, for tool grinders; the double bracket, for larger wheels; and the flexible, adjustable type chiefly for use on tool grinding but later installed on side wheels and other types of wheels.

The men in the shops have been very quick to appreciate the value



Adjustable Type

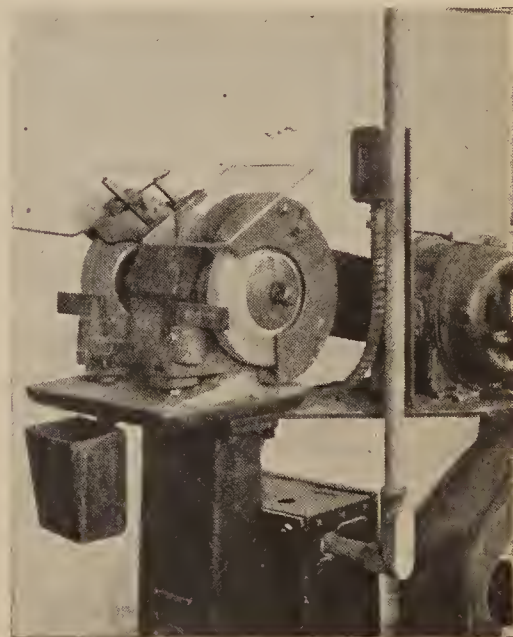
or doctors in charge, not to mention the eye specialists whose services are sometimes needed.

Some three years ago the safety men of our Company decided to give special attention to this eye question. The result of this has been that eye injuries among the workers have been greatly reduced in all of our Plants.

As I said, a workman frequently did not wear his goggles on short jobs. So it was felt advisable to furnish the *machines* with goggles rather than the men. A series of non-shatterable glass guards was therefore designed and made standard by the General Safety Committee. Now most Plants have



Double Bracket Type



Single Bracket Type

of this protection, and instances have come to light where the flexible type has been installed on planers and other machine tools where flying particles might cause injury.

The great advantage of the G-E type of non-shatterable glass shield is that there is no distortion of either tool or that part of the man's hand which may come under the glass. Nor is there any break in the continuity of the man's fingers or work from the point of vision, since there is no frame around the glass. In many Plants a small electric light is fixed to the glass, which throws direct rays on the work; others use a pendant light entirely separate from the guard but placed in such a way as to give adequate light to the work.

In one of the smaller Plants, where eye injuries were given especially careful consideration, the following figures were gathered from the dispensary records:

Year	No. on Payroll	Eye Cases
1924	1237	791
1925	1023	587
1926	1140	489
1927	1175	447
1928	884	423

Although this reduction is somewhat exceptional, there has nevertheless been a similar steady drop in the number of eye cases in every Works, ever since the grinding guards were introduced.

York Breaks Perfect Record In Safety Contest

AFTER maintaining a perfect no-accident record for eleven months, York has finally marred its remarkable performance. The December report of the Inter-plant Accident Prevention Contest shows however, that York still leads Division 1. It is gratifying to note that ten of the plants show an improvement over last month.

The standing of the plants is as follows. An asterisk denotes improvement over the previous month:

DIVISION 1	DIVISION 2
York	*New Kensington
*West Lynn	Pittsfield
*Philadelphia	*Erie
*Baltimore	*ALL PLANTS
*Fort Wayne	*Schenectady
Bloomfield	*River Works
*Bridgeport	*Oakland

Death Claims Paid During December

Years	Date of Death	Employee	Age	Beneficiary	Free Ins.	Add'l. Ins.
<i>Schenectady Works</i>						
1928						
23	Nov. 18	Antonio Candella.....	65	Wife	Yes	—
9	Nov. 30	Fred Harding.....	56	Wife	Yes	—
18	Dec. 2	Ignac Horak.....	46	Wife	Yes	Yes
6	Dec. 2	Frank Striniewski.....	39	Estate	Yes	Yes
34	Dec. 10	John E. Yorkston.....	73	Wife	Yes	—
2	Dec. 12	William S. Karis.....	23	Mother	Yes	Yes
15	Dec. 26	Gorreano Cordileone.....	53	Wife	Yes	Yes
<i>River Works</i>						
1	Nov. 28	John M. Stevens.....	18	Mother	Yes	Yes
8	Dec. 5	Charles F. Buckland.....	65	Daughters	Yes	Yes
6	Dec. 8	Mary V. Japp.....	40	Husband	Yes	Yes
35	Dec. 17	Howard Patten.....	66	Wife	Yes	Yes
<i>West Lynn Works</i>						
9	Nov. 26	Emma J. Firth.....	50	Husband	Yes	—
38	Nov. 30	Herbert N. White.....	56	Wife	Yes	Yes
28	Dec. 11	William H. Hosker.....	53	Wife	Yes	Yes
27	Dec. 17	John J. Linehan.....	49	Wife	Yes	Yes
<i>Pittsfield Works</i>						
3	Nov. 29	George E. Perkins.....	55	Wife	—	Yes
6	Dec. 6	Andrew Hamberg.....	46	Wife	Yes	—
5	Dec. 8	Florence G. Phillips.....	24	Mother	Yes	Yes
3	Dec. 10	Glenn W. Sprague.....	23	Father	Yes	Yes
<i>Erie Works</i>						
8	Oct. 28	Frank E. Winsor.....	32	Wife	Yes	Yes
10	Oct. 29	Earl H. Archer.....	51	Wife	Yes	Tes
<i>Fort Wayne Works</i>						
5	Nov. 16	Ruciel M. Thompson.....	27	Husband	—	Yes
11	Nov. 24	Andrew Miller.....	63	Wife	Yes	Yes
11	Dec. 15	Simon Grady.....	59	Wife	Yes	Yes
<i>General and District Offices</i>						
<i>Schenectady</i>						
11	Aug. 28	Anette Motalla.....	59	Children	Yes	—
<i>San Francisco</i>						
38	Dec. 7	Charles A. Loring.....	57	Wife	Yes	Yes
<i>New York</i>						
38	Dec. 11	Edwin H. Estabrook.....	61	Wife	Yes	Yes
<i>Boston</i>						
32	Dec. 16	Orra B. Vinal.....	61	Wife	Yes	Yes
<i>Cleveland</i>						
18	Dec. 23	James H. Hughes.....	40	Wife	Yes	Yes
<i>Incandescent Lamp Dept.</i>						
9	Dec. 22	Allen B. Struter.....	70	Wife	Yes	Yes
1	Dec. 25	Edith Wilderson.....	31	Mother	Yes	Yes
5 mos.	Dec. 25	Kathryn Facine.....	21	Sister	Yes	—

	No.	Free Insurance Amount	No.	Additional Insurance Amount
Claims paid month of December, 1928....	30	\$33,535.85	25	\$ 36,500
Previously reported, 1928.....	307	358,809.81	277	442,000
Total claims paid 12 months, 1928.....	337	392,345.66	302	\$478,500
Total claims paid since Nov. 16, 1925.....				\$2,428,494.35

Watch for Fake Remedies

(Continued from page 9)

sure-fire preventives or cures for whatever you may have—for the simple reason that they usually

are not. The same drug which he uses, when it is put into a secret formula, is mysteriously transformed into a wonder-worker, sure cure or your money back. When offered to you in this form, it is useless, dangerous and unnecessary. But so long as we continue to believe everything we read, we can count on plenty of "whoopee" from the nostrum and quack medicine business.

What Are You Doing To Cut Down Waste?

GIRLS' SECTION

Elex Has Peppy Meetings

THE roller skating party held at Bell's Rink on the Lincoln Highway, January 16th, proved to be a decidedly popular affair in spite of the disagreeable weather which arrived that evening. A sleet storm made driving very difficult but sufficient cars were provided to convey the girls to the rink. About 150 people were present, the party being open to all G-E employees and their friends, and everyone naturally was ready for a good time. There happened to be two fellows for every girl, so the success of the evening from the feminine standpoint was assured. One of the outstanding features was a grand march on skates, and the rest of the time was spent taking spills and getting into practice for this icy weather we have been having. By the time the majority of the crowd consented to leave, however—about 10:00 o'clock—it was noted that all were becoming quite skillful at manipulating their skates. Refreshments of hot dogs, pop, etc., were available, so every facility was provided for a pleasant evening.

The Elex girls proved themselves very acceptable hostesses when they had charge of the Federation meeting at the Y.W.C.A. on January 23rd. An unusually good supper was served and a delightful program followed. Mr. Peterson, of the Transformer Dept., sang several songs, accompanied by Mr. Witwer, which everyone enjoyed, and some clever readings by Elenor Pates, daughter of Mrs. Elenor Pates, Bldg. 17-2, were applauded vigorously. Following this was a short business meeting and dancing in the gym. Anyone who wasn't there missed something good.

But the best ever was the meeting of January 30th; it was a red letter day for several reasons, as you will see. The usual supper was served in the cafeteria at 5:30; then upon returning to 16-2 a half hour was enjoyably spent practicing songs and yells for the

Federation banquet to be held in two weeks. Scarcely was this over when necks were craned and chairs hitched closer to get a better view of the style show which followed. A regular promenade was extended out from the stage and on this the various models displayed their charms. It is hard to decide which was more interesting: the models or their apparel, but it is safe to say that not a thing was missed by the audience. Correct attire for all occasions, including a wedding, was exhibited in a very able manner by the following girls: Lois Miller, Marie Blough, Bessie Smith, Agnes Pratt, Esther Moll, Louise Hilger and Alma Snyder—they had to be seen to be appreciated; we are sorry we cannot describe them in detail.

To allow time for the models to change their costumes, and incidentally for the audience to regain their composure, the show was interspersed with vocal selections by Elida Fries, of the Toolmaking Dept., 26-5. She came out first dressed in old-fashioned costume and sang "Listen to the Mocking Bird," "Believe Me if All Those Endearing Young Charms," and a

Swedish folk song. Later on she re-appeared dressed in Spanish costume and charmingly sang "Ciribiribin" and "Carmena." She was accompanied by LaVera Vail at the piano. The audience was generous in its applause.

Another feature of the program was the singing of a group of popular songs by the Schweizer sisters, Ruth, Lillian and Viola. They accompanied themselves on the guitar and ukelele. Lillian, the smallest member of the trio, sang "There's a Rainbow 'Round My Shoulder" in a manner which would have done credit to a more experienced singer. These talented girls are the daughters of C. A. Schweizer, of the Order and Stores Dept., 18-4, and are much in demand for radio programs and entertainments.

When the entertainment was over the club girls took up their regular classes and enjoyed dancing in the clubrooms. The 65 members present voted it the most successful evening they had spent for some time.

All the girls in the Federation, and we in particular, have enjoyed becoming acquainted with Miss E. Anne Amison, the new Industrial secretary at the "Y". She has a very lovable personality and lots of pep and is quite popular with the girls. Being very capable besides, she will have a large influence in making the Industrial Dept. more effective than ever.

The next event on the Club calendar was the Federation banquet held in the Chamber of Commerce, February 11th. This will be reported in the March WORKS NEWS.



Irene Marsh, of the Fract. Hp. Motor Dept., Bldg. 45, Who Died Nov. 6, 1928

Recent Bride Honored by Associates

THE girls in the Order and Stores Dept., Bldg. 18-4, gave a dinner party at the Mandarin Cafe, January 9th, honoring Mrs. Carl Schweizer, who before her mar-



Swagger Daytime Dress

A swagger one-piece dress of sheer tweed, smart for immediate wear, and all Spring to wear without a coat. The one-sided jabot rever, makes it quite unusual, and so appropriate for the woman of larger figure, to make her appear more slender. Grouped plaits at front of skirt, add sufficient width to hemline, to sway gracefully in motion. Style No. 368 is designed in sizes 16, 18, 20 years, 36, 38, 40, 42 and 44 inches bust. The 36-inch size takes $3\frac{1}{2}$ yards of 40-inch material with $\frac{1}{4}$ yard of 36-inch contrasting. Crepe satin, canton-faille crepe, patterned wool jersey, wool repps, homespun, plain jersey, and silk crepe, will make up beautifully for serviceable wear. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

Exclusiveness

A delightful new model for individual taste, that is outstandingly smart with its bow tied hipline, with slender skirt, showing flare at left side front, in form of gathered inset. The simple bodice with slight all-around blousing, boasts collarless Vionnet neckline. Sleeves are fitted with darts below elbows. It's easily made! Exclusiveness at a small outlay! Style No. 322 is fashioned of barberry red rayon velvet printed in black, with black rayon velvet bow, accenting youthful contrast. It is designed in sizes 16, 18 20 years, 36, 38, 40 and 42 inches bust measure. The 36-inch size takes $2\frac{3}{4}$ yards of 40-inch material with $\frac{3}{8}$ yard of 36-inch contrast. Think of it! Shimmering plain velvet in sapphire blue, black sheer velvet, black lustrous crepe satin, midnight blue wool crepe, sheer tweed worn with suede belt, dull silk crepe in tweed pattern, and myrtle green canton crepe are ideal suggestions for smart daytime wear. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

We suggest that when you send for this pattern you enclose 10 cents additional for a copy of our Fashion Magazine, showing all the most attractive Paris styles; embroidery, etc.

Send orders to Illustrated Fashion Features, Inc., Fifth Ave. and 29th St., New York City.

riage was Miss Gertrude Kroemer, Service Bureau, Bldg. 18-2. Pink roses were used in decorating the table. The girls presented Mrs. Schweizer a set of goblets.

Present were: Mrs. Schweizer, the honor guest, Marie Pfleidner, Mannette Pierce, Helen Kraus, Mildred Koster, Edna Welch, Ann McCarthy, Alice Eggers and Garnet Bowman.

Another party honoring Mrs. Schweizer was the miscellaneous shower given by Miss Ruth Schweizer at the home of her parents at 2021 Pauline St., January 10th. The guests played bunco and danced and the Misses Viola and Ruth Schweizer entertained with singing, accompanied by string instruments. Later in the evening a delicious luncheon was served at the small tables, the decorating scheme being carried out in pink and white.

Present besides the honor guests and hostess were: Mrs. Ralph Kroemer, Mrs. Marie Schweizer, Mrs. Ray Leitz, Mrs. Wm. Finke, Mrs. Edward F. Hilker, Mrs. F. M. Barley, Mrs. Roland Springer, Mrs. Fred Baker, Mrs. Chas. Bodecker, Mrs. Oscar Kroemer and the Misses Billy Schwise, Mabel Kroemer, Edith Kroemer, Marie Wiannan, Freida Strangman, Viola Schweizer and Marie Pfleidner.

Mrs. Belle Buchan Entertains

MRS. Belle Buchan entertained a group of girls from the Small Motor Dept., Bldg. 17-2, at her home at 2306 Eby Avenue, January 19th. The girls played bunco and lovely prizes were awarded to Ethel Hutchins, Josephine Erpelding, Mary Yost and Mrs. Vera Nelson. Then the group enjoyed music, dancing and playing games. Later in the evening a delicious luncheon was served to the guests seated around small tables.

Those present besides the host and hostess were: Ethel Hutchins, Mary Yost, Josephine Erpelding, Doris Rhodes, Hilda Hammersmith, Irene Sorg, Madelyn Hofmann, Stella Goings, Katherine Schram, Mesdames Vera Nelson, Edna Harmon and Mr. Larry Gaffer.

Weddings

Plaisted-Archbold

Miss Mildred Archbold, Drafting Dept., Bldg. 19-3, and Guy E. Plaisted, D-C. Motor Engineering Dept., Bldg. 19-3, were united in marriage on January 16th. The ceremony was performed by Rev. J. M. Baker at the home of the bride's parents, Mr. and Mrs.

Clayton Archbold of near Bluffton, Indiana. Mr. and Mrs. Harry Stahl, brother-in-law and sister of the bride, were the attendants. Mr. and Mrs. Plaisted reside at 3115 So. Wayne Ave.

Absent Employees

John Clark, elevator operator, Bldg. 19, is confined to his home at 2010 Fox Ave., with an injured foot. He reports that the foot is getting much better.

Genevieve Zimmerman, Small Motor Dept., is at her home at 1016 College St., recovering from a recent operation. She is improving nicely and no doubt will be able to return to work soon.

Bessie Reniger, Small Motor Dept., Bldg. 17-2, is a patient at the Methodist Hospital recovering from a recent operation. She is planning to leave the hospital soon.

Irene Barney, Small Motor Dept., Bldg. 17-3, is at her home, 3533 Smith St., recovering from injuries in an automobile accident. It is expected that she will be able to return to work in a short time.

Frank Rupert, Winter St. Plant, is at his home, 1505 E. Creighton Ave., recovering from a recent operation.

Clarence Shanbeck, Small Motor Dept., Bldg. 4-1, has been confined to his home for several weeks suffering from small pox. He is now convalescent and hopes that the quarantine may be lifted soon.

Joe Cline, Transformer Dept., Bldg. 26-2, is confined to his home at 2109 Oliver St., by an attack of smallpox. Reports indicate that he is now convalescent.

Bertha Keller, Transformer Dept., is now at her home on South Broadway recovering from a recent operation. She says that she is feeling fine again but does not know when she will be able to report for work.

Christ Martin, Transformer Dept., who is ill at his home at 819 Berry St., reports that he is feeling better.

Herbert Saxton, Small Motor Dept., has been unable to be at work for some time on account of nervous trouble, but he reports that he is feeling some better.

Reid Piper, Transformer Dept., Bldg. 26-2, is now at his home at Rockford, Ohio, recovering from an operation. The latest word from his home is that he is feeling fine again and is planning on returning to work soon.

Arthur Kelker, Drafting Dept., Bldg. 19-3, who is confined to his home at 1231 Fairfield Ave. on account of nervous trouble, reports that he is feeling some better, but fears that he will not be able to return to work for some time.

Ray Dunford, Tool Supply Dept., is now at his home, 1440 Lillie St., recovering from an operation. He has

(Continued on page 16)

JUNIORS' PAGE

Dear G-E Juniors:

We have been having so much ice and snow this winter that I suspect all of you have been having good times skating, coasting and sliding. I sincerely hope that none of you has fallen hard enough to injure yourself.

In the picture on this page, which is our puzzle for the short winter month of February, the cherries and their stems are made up of letters, and these letters spell the name of a day we celebrate this month. Now I wonder how many of you can re-arrange the letters and find the name of this day. We have several especially interesting days in February, but I think that you Juniors will have no trouble in finding the right one.

Last month, prizes were sent to Edmund and Winifred Locker, Dorothy and Eugene Wyss and Louise Schwartz at Fort Wayne and Catherine Murphy and Romaine Raudebush at Decatur. The correct solution to last month's puzzle is:

During 1929 I Resolve to:

Clean my shoes outside the door, and not track mud upon the floor.

Help my mother with the work, and never any duties shirk.

Study lessons every day, before going out to play.

Play to win, but never cheat, if I lose, I'll admit defeat.

I received nice, jolly letters from: Edmund and Winifred Locker, John Daily, Jr., Dorothy Jane Canada, Dorothy and Eugene Wyss, Mary Belle Prince, Geraldine Gidley, Ruth Rose, Dorothy Aldridge, Germaine Rondot, Gaynol and Edna Marsh, Richard Rondot, Helen Hickman, Betty Lee Wilson, Alice Moritz, Alta May Ruhl, Thurman Long, Pansy Plant, Ralph Crall, Letha Click, Berniece Moore, Dorothy Eylenberg, Louise Schwartz, Albert and Elmar Devaux, Donald Kaiser, Doris Line, Reba Ray and Bonnie McSorley from Fort Wayne and Dorothy Miller, Catherine Murphy, Elizabeth Fuhrman, Mary Fuhrman, Catherine Jackson, Sephus Jackson, Ro-

maine Raudebush, Jeanette Beery and Virginia Beery from Decatur.

Also, I received answers to the December puzzle from Evelyn Mueller, Eileen Rose Mentzer, Albert Devaux and Elmar Devaux from Fort Wayne and Dorothy Miller from Decatur, but they came in too late for us to mention them in last month's G-E WORKS NEWS. However, I gave these boys and girls credit on the card record that I keep of all G-E Juniors who write to me.

I enjoy reading all your letters and I like to know what you are doing and to hear about your little brothers and sisters. Winifred and Edmund Locker have a little baby brother with dark blue eyes and brown hair and named David Allen. Romaine Raudebush has triplet brothers who are five years old. I think it would be quite interesting to have three little brothers all the same age. Dorothy Jane Canada and Albert and Elmar Devaux were sick with the "flu" at Christmas time and could not come to the G-E Christmas party. Dorothy Eylenberg sent me an original poem about "Lincoln," and Berniece Moore sent a poem about "Mother." Thank you both very much for them. Edna Marsh sent me a picture of herself and her pet police dog whose name is Bud. Thank you very much, Edna, for



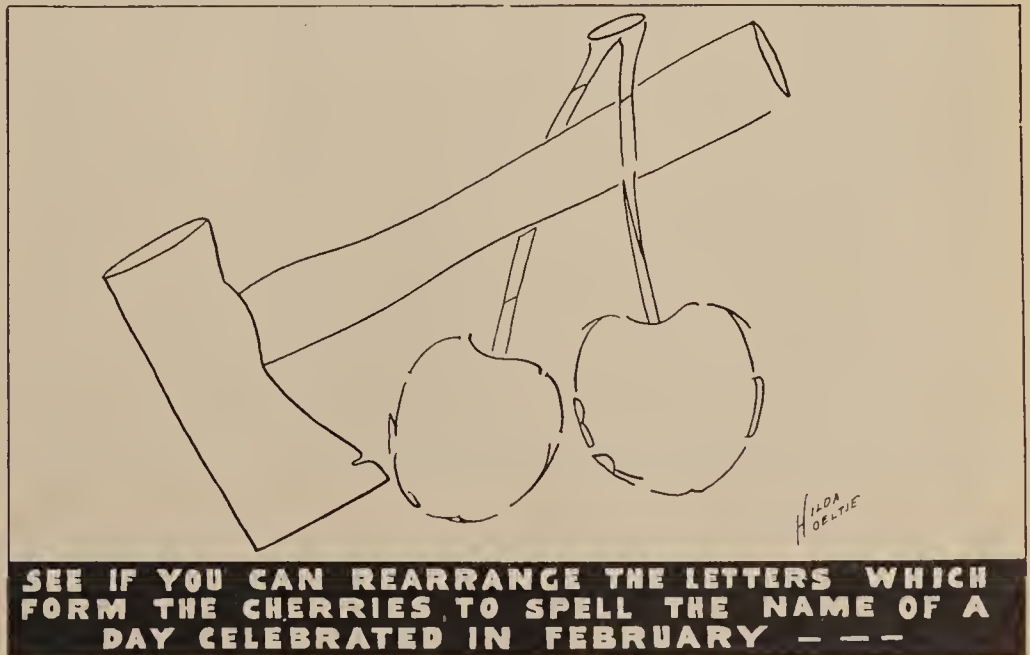
Edna Marsh and Pet Dog, "Bud"

it, I like it and think you have a pretty dog for a pet. Thurman Long wanted to know how old you must be to be a G-E Junior. Until you have passed your thirteenth birthday, Thurman, we think you will like to solve our puzzles and to receive the prizes that we give, and as you are only 7 years' old you have quite a long time to solve the puzzles and try to win prizes. I am glad that you do like the puzzles and enjoy solving them.

Now I hope everyone of you will write to me this month and send me your solution to the puzzle.

Sincerely yours,

Jill



Absent Employees

(Continued from page 14)

been improving nicely and no doubt will be able to return to work soon.

Walter Garrett, General Service Division, is a patient at the Lutheran Hospital. We hope he may soon be well on the road to complete recovery.

Elizabeth Garrison, Transformer Dept., Bldg. 26-2, is confined to her home at 1738 Short St. by a fractured knee. She says the injury is healing nicely and thinks she will be able to return to work soon.

Margaret Lee, Transformer Dept., Bldg. 26-2, who has been absent from work for several weeks because of infected tonsils, reports that she is planning on having them removed. We hope she stands the operation nicely and recovers rapidly.

Virginia Christman, Transformer Dept., Bldg. 26-2, is sick at her home at 1911 E. Creighton Ave.

Margaret Pepler, Winter St. Plant, is now at her home at 2933 Central Drive recuperating from an operation. She has been showing good progress and no doubt will be back at work soon.

Grafton Baker, Small Motor Dept., is now at his home at Warren, Ind., suffering from rheumatism. His condition seems to be improving and we hope it will not be long before he is able to return to his work.

John Christman, Small Motor Dept., Bldg. 4-1, is ill at his home at 2804 Gay St. Although his recovery has been rather slow we hope it will not be long until he is feeling much better and is able to get around.

Walter Gallmeier, Small Motor Dept., has been confined to his home for several weeks following a tonsil operation. He is now slowly improving and we hope it will not be long until he is entirely recovered.

2533 different metallic objects, including bent pins, tacks, corset steels, garter fasteners, needles, buttons, beads, washers, coins and pen points, were recently removed by operation from a Canadian woman's stomach. The previous high record for foreign objects swallowed was 1146, a case reported in 1911.

This suggests a new field of endeavor for the class of publicity hounds who satisfy their craving by means of marathon dancing, flagpole sitting and kindred forms of useful employment. All aboard for the All American Hardware Swallowing Contest!

"I don't understand your letting young Perkins marry your daughter. I thought you were enemies."

"Yes. And now he will have my wife as his mother-in-law."

—Boston Transcript.

Athletics

Strong Teams on G-E Club Schedule

FEW clubs in the country face the schedule that the G-E Club has before it for the balance of this season. Since the last schedule was published the Akron Firestones, one of the best attractions in the middle west, has been added to the list. While the G-E five has not been faring as well this season as far as wins are concerned, their record compares favorably with the best in this part of the country. Few teams in this section are playing week after week teams of the caliber of those which have been on the local floor this season. G-E fans are fortunate in being able to see such high class attractions. The schedule for the balance of the season follows:

Feb. 8th.—Rochester Oldsmobiles
Feb. 14th.—Olson's Terrible Swedes
Feb. 21st.—Sandusky Big Reds
Feb. 25th.—Akron Firestones
Mar. 1st.—Olson's Original Nordics
Mar. 2nd.—Banner Furniture, Muncie.

Myers Leading G-E Scorers

"Gunner" Myers is leading the G-E five in scoring with a total of 150 points accumulated from 51 field goals and 48 free throws in 16 games. Dave Herbst, Myers' leading rival, has a total of 76 points from 29 field goals and 18 free throws. Herbst has shown the most accuracy from the free throw lane making 18 out of 23 attempts for a percentage of 78. Bruce Hamilton has 5 out of 7 for 71 per cent. Myers has made 48 out of 78 attempts for a percentage of 61.5. The individual scoring of the players follows:

	G.	FG	FT	T.	PF.
Myers.....	16	51	48-78	150	31
Herbst.....	15	29	18-23	76	20
Belot.....	15	24	13-23	71	36
Holmes.....	16	18	22-37	58	35
Spahr.....	15	13	6-21	32	22
Hoffman.....	10	12	5-13	29	13
Hamilton.....	15	9	5-7	23	10
Hueber.....	3	0	0-2	0	2

G-E Club 41—Wapakoneta 28

The G-E five had things comparatively easy with the Wapakoneta team, holding a comfortable margin through most of the game. The Ohio five again could not stop Herbst and the husky forward scored five field goals. Holmes sent four through the net for second high scoring honors. The game, while fast, did not equal in interest any of those preceding it on the schedule.



I'VE PASSED MY PHYSICAL EXAMINATION O.K.

GENERAL ELECTRIC COMPANY
Member National Safety Council

G-E Club 29—Muncie 24

The G-E team won a well played game from the Banner Furniture Co., of Muncie, on the latter's floor. The seven-point lead piled up by the G-E five in the first half was too much for the down staters. The Muncie outfit was composed of noted high school players led by Secrist, former all state center. Belot held his much touted opponent to a single field goal. The scoring on the G-E side was pretty evenly divided.

G-E Club 28—Big Four Indianapolis 48

The Big Four Railroad five of Indianapolis demonstrated what a team can do when they get lucky. The capitol city team deserved to win but their great margin of victory was due to what ordinarily would be termed wild shooting. In this case, however, practically every shot from anywhere on the floor found the net for two points. The G-E five have defeated much better teams but it simply was not their night to win.

G-E Club 22—Toledo Red Men 28

The G-E Club journeyed to Toledo only to come home on the short end of the count at the hands of the Red Man Tobacco five of that place. The Toledo team, composed of former American league players, piled up an eleven-point lead in the first half which the G-E team could not overcome. The G-E five scored 17 points in the second period to their opponents 12.

G-E Club 14—Detroit 25

The G-E five did not fare much better at Detroit than at Toledo the night before. The Tool Shop Hardware played a different style of ball to that which the G-E five is accustomed and they were not able to complete with the rough play of the Detroit team. Sixteen personals were tacked on the G-E team while the Detroit squad were charged with only half that many.

G-E Club 22—Wapakoneta 28

Perseverance finally rewarded the Wapakoneta five and they were able to hand the G-E five their fourth straight loss. The Ohio five effectively stopped Herbst, and this together with the scoring spree of a youngster named Koenig, proved the downfall of the G-E team. The first half was even with the Ohio five one point to the good. Stewart, star of the Wapakoneta team, was held scoreless throughout the game.

G-E Club 27—Detroit 24

The G-E Club finally broke their losing streak and got revenge on the Tool Shop Hardware of Detroit on the same night. The locals attempted to meet the Detroit five at their style of game but "Bruff" Cleary was calling them close and the game resulted in a foul pitching contest. Twenty-three personals were charged against the locals and twenty against the visitors. The G-E five scored seven times from the field to their opponents five but the latter's accuracy on free throws kept them in the running.

G-E Club 28—Big Four Indianapolis 33

The Big Four of Indianapolis again showed their superiority over the G-E five, but by no means by the large margin piled up in the first game. The railroaders gained a six-point lead in the first period which proved enough to win. The G-E five outscored the capitol city five in the second round. Howard, who dropped them in from all angles here, found the net twice.

G-E Club 31—Flint Buicks 34

A five minute overtime period was required to settle one of the most exciting games ever staged on the local floor. After the first period which ended in a 15 all tie, the lead changed hands several times and when the horn sounded the score was tied at 31. Failing, guard of the visitors, got loose for several easy shots in the second period and it was his four baskets that kept the locals from winning. It was the strength of the husky Reese Jones that beat the G-E team in the overtime period. With a G-E player clinging to him, on the pivot play, he reversed and dropped the ball through the net. The G-E five played wonderful ball and each player deserves considerable praise for the fine work against the apparently stronger opponents.

Mazdas Playing Better Ball

The G-E Mazdas are faring better in the second round of play in the Y.M.C.A. Industrial league than in the first round. The Wayne Knit team won the honors in the first half and the winners of the second round will play the Knits for the league championship. The G-E five have won both of their games in this second half and are tied with International Motors for first place. The Mazdas are stronger this year than usual and have played some good basketball this season. Virgil has been carrying the burden of the scoring. Nobles has been playing a fine game at guard. Steele has been outplaying his opponents at center in practically every game. Slack fits in well at the other forward position and Holmes has been playing an exceptionally fine defensive game. The standing of the Industrial league follows:

	W	L	P.C.
G-E Mazdas.....	2	0	1000
International Motors.....	2	0	1000
Wayne Knit.....	1	1	500
Dudlo.....	1	1	500
Bowser.....	0	2	000
Amer. Fork & Hoe.....	0	2	000

Inter-department Basketball League Staging Some Good Games

The teams of the Inter-department basketball league have each played six games to date and the Apprentice and Small Motor teams still have a perfect percentage. The Transformer five have lost one game but are still in the race for championship honors. Most of the games played in this league have been closely contested and with officiating

better than the average, makes these games a pretty good evening's entertainment. No admission charge is made for any of these games and anyone is welcome. The standing of the league follows:

	W	L	P.C.
Apprentice.....	6	0	1000
Small Motor.....	6	0	1000
Transformer.....	5	1	833
Apparatus.....	3	3	500
Winter Street.....	3	3	500
Meter.....	2	4	333
Pay Roll & Acctg.....	2	4	333
Wire & Insul.....	2	4	333
G-E Squares.....	1	5	167
Frac. Motors.....	0	6	000

Small Motor Leading Inter-department Volleyball League

The Small Motor team of the Inter-department Volleyball league has been sweeping everything before them in the first round of play. The Winter Street team lost one game to the Fractional Motors out of three. Both of these teams had been undefeated up to the time they met. The standing of the league follows:

	W	L	P.C.
Small Motor.....	15	0	1000
Winter Street.....	14	1	933
Frac. Motors.....	13	2	867
G-E Squares.....	7	8	466
Main Office.....	4	11	266
Meter.....	4	11	266
Apprentice.....	2	13	133
Transformer.....	1	14	066

G-E Girls Winning Many Basketball Games

During the past month the G-E Girls have been exceptionally busy on the hardwood court, winning five out of six games played.

The girls are entered in the Y.W.C.A. Industrial league, which is composed of nine teams. The G-E team has won all four games played and have an excellent chance of finishing in first place. Games are played each Thursday evening (except February 8th) until March 7th at the Y.W.C.A. The public is invited to all of the games. A summary of the games follows:

G-E Girls 38—Peoples Trust 17

The G-E girls defeated the Peoples Trust girls on the Y.W.C.A. floor January 10th by the score of 38 to 17. Scott led the G-E girls in scoring with six field goals and one free throw. Vail scored five times from the field and sank one free throw. Pink was the star of the Peoples Trust five with four baskets and seven free throws to her credit.

G-E Girls 24—Waterloo 11

The Waterloo girls failed to make things interesting for the G-E team in a game played as a preliminary to the Big Four Indianapolis—G-E Club game and the locals ran away with the long end of a 24 to 11 count. Had it not been for the efforts of a curly-haired lass named Sherburn, who counted four baskets for the visitors, the game would have been very one sided. Scott repeated her scoring, sinking five double counters.

G-E Girls 38—Anthony Wayne 26

The G-E Girls scored another victory, this time at the expense of the Anthony

Play Safe!



THE G-E CLUB TEAM

Standing: B. Hamilton, Myers, Lindemuth, Manager, Spahr, Hueber; Sitting: Holmes, Herbst, Hoffman, Belot.

Wayne Institute, on the Y.W.C.A. floor. Reidenbach was the star for the locals, scoring ten baskets and two free throws. Scott played at guard and was unable to score her usual number of baskets. Gifford, center for the school five, sent five through the net for high count for the losers. Stubbs sank four baskets. Dirr contributed three field goals for G-E and Wohlford two.

G-E Girls 12—Auburn 33

The Auburn High School Girls must be a crew of real basketball tossers. At least we feel that any team that can beat our girls 21 points must be good. Reidenbach and Scott, our scoring aces, were held to two field goals, both made by the latter. Refer accounted for 8 baskets and Harris six for the high school lassies. Wohlford scored two field goals for G-E. We would like to see this team on the Ft. Wayne floor.

G-E Girls 37—Wayne Knit 18

The G-E Girls had things pretty easy with the Wayne Knit girls on the Knits own floor and Reidenbach the heavy scorer of the G-E team came back. The star forward sank nine field goals. Wohlford counted four baskets. Spice was leading scorer for the Knits with three double counters.

G-E Girls 64—Question Marks 17

If the Question Marks of the Y.W.C.A. are to play the G-E girls again they should change their name to Easy Marks. The G-E tossers ran up a staggering total against this team. Reidenbach counted fifteen times from the field and Vail sent ten swishing through the net. The former, with her three free throws single-handed, nearly doubled the score of her opponents. Burns was leading scorer of the Y.W.C.A. team with five baskets and one free throw.

January Boxing Card a Good One

The boxing card staged by the G-E club on January 24th was interesting from beginning to end. All contests went the limit in rounds and there was some good fighting in each match. The Jim Borde-Nick Ellenwood bout

was one of the most surprising exhibitions witnessed in the G-E club ring. The Frenchman, Borde, who is aptly referred to as "the man with the iron jaw," took all the punishment that Ellenwood handed out and came back for more. Borde carried a punch of his own and Ellenwood did well to keep out of range. Once Borde landed and Ellenwood was visibly staggered. After absorbing ten rounds of punishment Borde danced to his corner and then turned a few handsprings in the middle of the ring to show that he was still good for more.

Moan Baumgartner and Tony Sanders, the other fighters who featured the double windup of the bout, staged a hard battle with the odds in favor of the local youth. Sanders was willing and aggressive and worried Baumgartner, but the latter was able to stand him off fairly effectively with that long left arm. In the ninth Sanders went down for a count of seven but came back gamely in the tenth and won the round by a good margin. The earlier advantage of Baumgartner, however, was too much to overcome.

Chuck Maxwell, of Lima, outboxed Pete LaCrosse in their six-round preliminary. Chick Wagner boxed Eddie Blake, of LaFayette, in the other preliminary in a match which was a pretty even affair, the shade of advantage probably going to Blake.

Charlie Maxwell, of Lima, refereed all the bouts except the one in which his son took part and that was handled by Nick Little of our local plant.

Bowling

Meter League

Team	W	L	P.C	Ave.
Leads.....	20	7	741	828
Gears.....	17	10	630	820
Registers.....	17	10	630	808
Discs.....	16	11	593	813
Seals.....	15	12	556	807
Jewels.....	15	12	556	802
Magnets.....	12	15	444	781
Bases.....	11	16	408	790
Covers.....	11	16	408	785
Terminals.....	11	16	408	774
Pivots.....	9	18	333	781
Elements.....	8	19	296	774

INDIVIDUAL AVERAGES			
Weick.....	57	180	Bushing..... 57 175
Lawrence....	51	180	Allen..... 18 175
Voorhees....	48	179	Timme..... 57 174
Erne.....	54	179	V. Rump..... 57 174
C. Rump....	48	176	Rietdorf.... 51 173

HIGH INDIVIDUAL SCORE

One Game	Three Games
C. Rump..... 258	Hueber..... 617
Geisler..... 244	Erne..... 617
Nieman..... 243	Allen..... 614

HIGH TEAM SCORE

One Game	Three Games
Leads..... 970	Leads..... 2656
Leads..... 968	Seals..... 2649
Gears..... 944	Gears..... 2583

Inter-department League

Team	W	L	P.C.	Ave.
Transformer.....	28	11	716	894
Apparatus.....	27	15	643	880
Wire & Insul.....	26	16	619	888
Small Motor.....	25	17	596	902
General Stores.....	21	21	500	888
Meter Dept.....	20	19	513	890
Winter St.....	13	29	309	856
Fire Dept.....	3	39	715	819

INDIVIDUAL AVERAGES

Doehrmann....12	193	Bryan.....39	188
Zurcher.....42	191	Kammer....39	186
Adamski.....39	190	Knoll.....39	184
Quinn.....39	189	Schlup.....39	184
Harkenrider..33	189	Einseidel....21	184

HIGH INDIVIDUAL SCORE

One Game	Three Games
Quinn..... 257	Harkenrider.... 645
V. Rump..... 256	Zurcher..... 640
Zurcher..... 248	Bryan..... 638
	Huber..... 638

HIGH TEAM SCORE

One Game	Three Games
Meter..... 1012	Small Motor.... 2870
Apparatus..... 1000	General Stores.. 2836
Transformer.... 995	Transformer.... 2831

Office League

Team	W	L	P.C.	Ave
Industrial Service.....	11	7	611	786
A-C. Drafting.....	11	7	611	762
Apparatus Cost.....	11	7	611	761
D-C. Apparatus.....	11	7	611	760
Small Motor Engrs.....	10	8	556	744
Warehouse.....	10	8	556	736
Distribution.....	8	10	444	692
Plant Construction.....	7	11	389	791
Material List.....	7	11	389	745
D-C. Drafting.....	4	14	222	718

INDIVIDUAL AVERAGES

M. Bryan... 15	183	Weisenberger 18	168
M. Einseidel. 18	181	D. Pray..... 18	165
E. Reese... 15	180	R. Roeger... 18	164
P. Enders... 18	171	Al. Ulmer... 18	160
R. Lindemuth 18	169	G. Plaisted.. 18	160

HIGH INDIVIDUAL SCORE

One Game	Three Games
Roeger..... 228	Einseidel..... 606
Bryan..... 226	Pray..... 586
Einseidel..... 223	Reese..... 573
	Enders..... 573

HIGH TEAM SCORE

One Game	Three Games
Plant Construction904	Apparatus Cost..2555
Warehouse.....898	Small Mt. Engrs..2512
Small Mtr. Engrs..894	Warehouse.....2498

Tool and Equipment League

Team	W	L	P.C.	Ave.
Tool Supervisors.....	7	2	778	787
Jigs & Fixtures.....	6	3	667	803
Special Tools.....	6	3	667	785
Grinders.....	5	4	556	781
Machines.....	4	5	444	784
Dies.....	3	6	333	802
Punches.....	3	6	333	748
Special Machines.....	2	7	222	795

INDIVIDUAL AVERAGES

Rehm..... 12	182	Knepple.... 51	173
Daley..... 48	177	Dicke..... 45	173
Gerdomb..... 45	177	J. Franke.... 39	170
W. Franke... 48	176	K. Lenz..... 9	168
Lankenau... 51	175	Tennison.... 3	168

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
Lankenau.....	234	Hays.....	594
Knepple.....	233	Knepple.....	590
Crow.....	230	Daley.....	587
		Lankenau.....	587

HIGH TEAM SCORE			
One Game		Three Games	
Special Tools....	897	Jigs & Fixtures..	2554
Jigs & Fixtures...	881	Machines.....	2480
Machines.....	876	Dies.....	2471

Transformer League				
Team	W	L	P.C.	Ave.
Bells.....	6	3	667	789
Radios.....	5	4	556	774
Autos.....	5	4	556	772
Toys.....	5	4	556	785
Nitelites.....	3	6	333	753
Currents.....	3	6	333	731

INDIVIDUAL AVERAGES				
Cox.....	51	182	Orff.....	42 168
Cook.....	51	179	Kronmiller...	47 165
Tagtmeyer...	51	175	Fryback.....	51 163
Garihan.....	42	175	Schlatter....	39 159
Long.....	36	172	Boutwell....	45 159

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
Fryback.....	237	Tagtmeyer.....	643
Tagtmeyer.....	233	Cox.....	618
Cox.....	232	Cook.....	611

HIGH TEAM SCORE			
One Game		Three Games	
Toys.....	945	Toys.....	248
Bells.....	859	Toys.....	2392
Radios.....	840	Bells.....	2384

Foremen's League				
Team	W	L	P.C.	Ave.
Refrigerator.....	3	0	1000	830
Wire & Insul.	2	1	667	760
Transformer.....	2	1	667	753
Apparatus.....	2	1	667	705
Tool Supply.....	1	2	333	734
General Service....	1	2	333	733
Vitaphone.....	1	2	333	722
Small Motor.....	0	3	000	792

INDIVIDUAL AVERAGE				
Buuck.....	45	184	Korte.....	3 162
Holloway....	45	168	Siebold.....	36 161
Szink.....	45	166	Hoffman.....	42 159
Grimme.....	37	163	Skevington..	39 159
Foellinger... 42	162	Schild.....	33 157	

HIGH INDIVIDUAL SCORE			
One Game		Three Games	

HIGH TEAM SCORE			
One Game		Three Games	
Refrigerator....	869	Refrigerator....	2489
Small Motor....	820	Small Motor....	2375
Wire & Insul....	796	Wire & Insul....	2280

Small Motor League				
Team	W	L	P.C.	Ave.
RSS.....	16	5		762
RSO.....	15	6		715
DR3.....	12	9		572
SA.....	10	11		476
RKT.....	10	11		476
SD.....	10	11		476
RSA.....	10	11		476
SDA.....	9	12		428
DR1.....	7	14		333
DR2.....	5	16		238

INDIVIDUAL AVERAGES					
E. Matt.....	3	190	Nahrwold...	54	170
F. Quinn....	27	188	Gooper.....	33	170
M. Tobias...	51	177	Michelfelder.	48	167
Renier.....	53	177	Rose.....	54	167
Rapp.....	42	171	McKering...	45	166

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
G. Nahrwold....	253	Cooper.....	630
Gitter.....	239	Nahrwold....	607
Copoer.....	234	Quinn.....	604

HIGH TEAM SCORE			
One Game		Three Games	
RSS.....	789	RSS.....	2269
RSA.....	760	RSA.....	2171
SA.....	757	RSO.....	2170

Wire and Insulation League				
Team	W	L	P.C.	Ave.
Paper.....	6	3	667	763
Mica.....	6	3	667	743
Insulators.....	5	4	556	740
Rollers.....	1	8	111	790

INDIVIDUAL AVERAGES				
Haugh.....	18	183	Schultz....	45 159
Buckles....	45	170	Saaf.....	42 153
DeWitt.....	45	169	Hire.....	27 145
Glenn.....	42	159	Hendricks... 27	144
Huffman....	45	159	Beck.....	39 144

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
Hoffman.....	256	Haugh.....	633
Buckles.....	243	Buckles.....	606
Haugh.....	225	Huffman.....	588
Schultz.....	225		

HIGH TEAM SCORE			
One Game		Three Games	
Papcr.....	850	Paper.....	2335
		Mica.....	2268

Girls' League				
Team	W	L	P.C.	Ave.
Refrigerator.....	34	8	810	598
Fire Dept.....	31	11	738	594
Small Motor.....	25	17	596	553
Order & Stores....	24	18	572	524
Apparatus.....	18	24	429	534
Tool Dept.....	16	26	381	524
Meter.....	11	31	262	446
Indus. Service....	9	33	214	509

INDIVIDUAL AVERAGES				
Lackey.....	42	174	Stahl.....	42 141
Preston.....	42	151	Pence.....	30 141
Hueber.....	42	150	James.....	42 137
Fox.....	42	147	Snyder.....	42 132
Bleke.....	42	137	Rebber.....	42 129

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
Lackey.....	223	Lackey.....	594
Fox.....	220	Fox.....	568
Preston.....	216	Preston.....	528

HIGH TEAM SCORE			
Fire Dept.....	766	Refrigerator....	2011
Refrigerator....	756	Fire Dept.....	1959
Tool Dept.....	702	Order & Stors..	1910



Basketball and bowling are claiming the major portion of attention in recreational lines on the part of Decatur Plant employees during the dead of winter season and the basketball team has come through with the major portion of their last seven games safely tucked away among their prized possessions.

On December 29th, the G-E five nosed out a two-point win over the Meyer Bros. quintet of Bluffton. As suggested by the name, this Bluffton team is composed of players from one family, but owing to injuries the team had substitutes in the person of Ellenberger and Fisher when they played

Decatur G-E. The G-E five were three points to the good at the end of the half and thanks to the good work of Strickler were able to retain a lead through to the finish. The final score was G-E 32, Meyer Bros. 30.

January 10th the team journeyed to Petroleum for a game which proved to be a rough-and-tumble exhibition of basketball. The play was disastrous to G-E, which lost by a score of 15 to 24.

A second venture into opponent territory, January 15th, resulted more satisfactorily when the local team defeated the Berne A. C. five by a score of 25 to 24. At the half Berne was four points in the lead and the win in the last period is due to the consistently good work of Corson, of the G-E team.

On January 17th, the G-E team entertained their Berne opponents on the Decatur floor. A courteous agreement seems to exist between these teams as G-E presented the Berne A. C. team this game by a score of 26 to 27. The argument is to be settled by a final game to be played at Berne on February 2nd, too late to record in this issue of the G-E NEWS.

A one-sided game was the result of the visit of the Decatur G-E team to Wren, Ohio, on January 18th. Leading at the half by 29 to 14 score the G-E boys maintained their scoring supremacy, winning by a 75 to 23 count.

On January 24th, a double-header was played at Decatur between first and second teams of the G-E and Petroleum. Decatur secured its revenge as the second team won their game 19 to 14 while the first team downed their former opponents by a score of 33 to 31. Corson played a stellar game for Decatur, ringing up fifteen points besides playing a wonderful defensive game.

On January 29th, the Decatur team journeyed to Huntington and played the Huntington Independents on their home floor. It was a good game and G-E came away with the long end of the 23 to 29 score. Corson was again the hero of the hour, having to his credit 15 of the 29 points made by the local boys.

BOWLING

	P.C.
Punch Press.....	.639
Motors.....	.600
Rotors.....	.576
Inspectors.....	.555
Flanges.....	.545
Office.....	.545
Maintenance.....	.500
Armature.....	.476
Collectors.....	.424
Automatics.....	.300

300-29-1

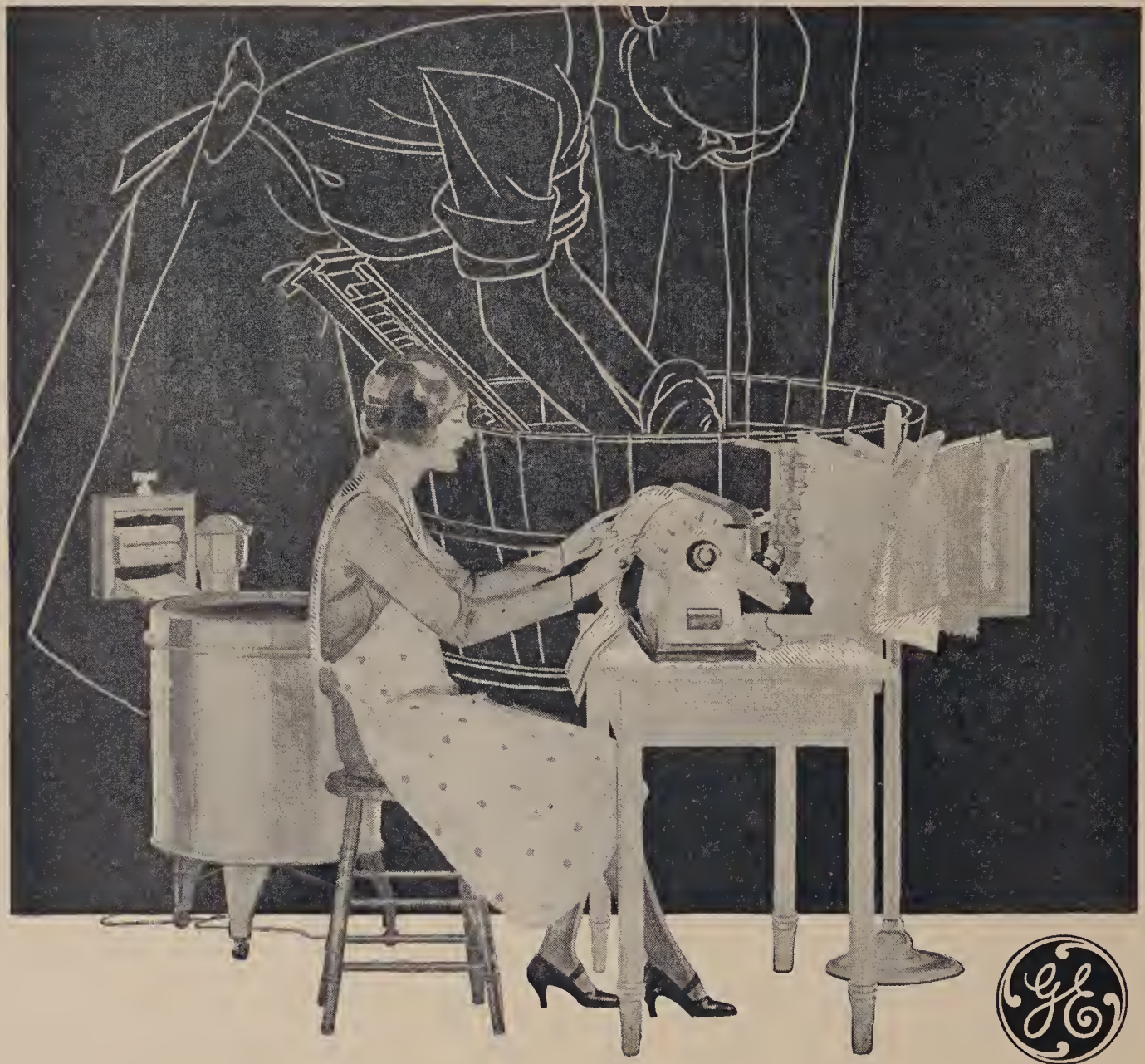
Mysterious Figures?

Not at All!

Read Safety Paragraphs

Page VIII

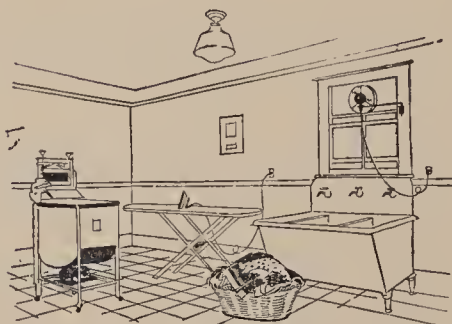
Any woman can wash and iron electrically
for a few cents a day



*Washing blankets, sweaters, or
filmy things easily and safely*

*You can't be sure of white clothes
in a dark laundry*

*The new ironers cost less and do
the whole job*



Any woman who does anything electricity can do for her is working for a few cents a day.

95-617B
GENERAL ELECTRIC

This advertisement will appear in general magazines during February and March.



The
 Works News

March 15, 1929

On the Front Cover

IF there is one among us who needs no introduction to the employees of this Works it is William F. Melching, head of the Employment Dept., whose picture appears on the cover of this issue of the Fort Wayne WORKS NEWS. In his work of interviewing applicants for employment Mr. Melching has come in personal contact with thousands of our present employees. Although he does not personally hire those who take positions at the Decatur Plant, yet even among our co-workers there, many unquestionably know him.

It was on February 14, 1898, that Mr. Melching began his services at Fort Wayne Works. He had only recently completed a business college course in accounting and was hired for a position as assistant time clerk. Jim Costigan, Harry Templer, Bert Keplinger and Mr. Melching then took care of all the cost accounting and time-keeping work. Four people could do this, as at that time our Plant had only 300 employees. Mr. Melching worked as time clerk for perhaps a year and a half and then was transferred to Mr. Barnes' office to make preliminary estimates of the cost of new products. Some time later he was asked to make out lists of the materials necessary for the building of newly designed machines and this was the beginning of work of this kind now done by our Material List Dept.

Mr. Melching began his present work of employing about 1910. The first employment office however was established in the general office building when it was completed in the fall of 1911. This first location of the Employment Dept. was just across the hall from the office of Mr. Barnes in Bldg. 18-1 and it remained there until January, 1918, when it was moved to Bldg. 19-1. In the spring of 1927 the department moved into its present admirably arranged quarters in Bldg. 21.

In the 31 years Mr. Melching has been employed here he has been connected with many different activities about our Plant. For a number of years before the former fire chief William Wurtle was appointed, Mr. Melching attended to the work of making regular fire inspections of the Plant. When the first General Safety Committee was appointed Mr. Melching was placed on that committee and he retained such appointment on all of the new committees until last year when he was relieved of such duties. About fifteen years ago Mr. Melching was elected president of the Volunteer Firemen's Association at Fort Wayne Works and ever since has filled that office. He was a director in the G-E Recreational Foundation and on the organization of the G-E Club was elected a director. So, invariably, is Mr. Melching asked to serve on the committees which arrange special Works events that we doubt if anyone has had closer contact with employee activities here at Fort Wayne Works.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

March 15, 1929

No 3

Four Join Quarter Century Club

AT the last meeting of the board of the G-E Quarter Century club, four well-known members of our local Works organization were elected to membership in the club. These new members are William D. Maxwell, Frank C. Graffe, Paul Grimme and Frank Quinn.

Mr. Maxwell began work here September 8, 1903, but due to an extended illness of a few years ago, he is credited with continuous service as from January 11, 1904. During his entire service here he has been an employee in our Carpenter Shop. For approximately nine years he was assistant foreman, and during such time looked after the outside work which took him into many departments about the Plant. His appointment as assistant foreman came in 1917 when, after the death of Harry Evans, who was general foreman, R. J. Gollmer was made foreman of the Carpenter Shop. Mr. Maxwell continued as assistant foreman until about three years ago when he suffered a serious and prolonged illness that made it necessary to relieve him of such responsibilities. Since his return to work he has followed his trade of carpenter and millwright, working in this same department.

For a number of years Mr. Maxwell was an active member of our Works Volunteer Fire Dept., a service of which he is very proud. In the line of recreation Mr. Maxwell says that while he enjoys fishing, he takes most pleasure in tours which he is able to take in his automobile. Although he has not yet journeyed far toward the West, he

tells that he has driven through the East, has been in the states just south of the Ohio River and as far

work occasioned his transfer to the Meter Dept., where he was engaged for about 18 months in assembling switch-board types of meters. He then returned to the small motor work and he recalls that he was one of the men in the first group who built the vacuum cleaner and washing machine types of motors here at

the Plant. After working several years on motor assembly Mr. Graffe was given charge of the small motor stock room. As the fractional hp. motor business expanded and more stock rooms were established, Mr. Graffe was made supervisor of all the department's stock rooms. As supervisor he was responsible for the establishment of proper stock allowances, the factory schedules for material and parts, and followed such schedules through the factory to see that promise dates were met. About 15 years ago he originated a special schedule sheet which, with minor changes, is in use today in scheduling the factory for materials and parts.

When Mr. Morganthaler and Mr. Graham were given charge of the Fractional Hp. Motor Division, Mr. Graffe was assigned to special work in the Manufacturing Standards Dept. At present he is responsible for the formulating, the issuing of, and the carrying out of routine and standard practices in the work of the Fractional Hp. Motor Division. It is interesting to note that at the beginning of his connection with fractional hp. motor manufacture, the production was only 10 units per week and the



W. D. Maxwell



Frank C. Graffe



Paul Grimme



Frank Quinn

north as the Straits of Mackinac. He recalls some pleasant trips to points of interest within our own state, and says that a week-end visit to the State Park at Turkey Run is well worth anyone's time.

It was on December 16, 1903, that Mr. Graffe started here, his first work being in the Fractional Hp. Motor Dept., assembling fan motors. A few months after he came a falling off in the fan motor

Have You Worked Here 25 Years?

Have you worked here continuously 25 years? Or will you complete 25 years continuous service during 1929? J. E. Hall, secretary of the Quarter Century Club, would like to hear from those who now are or who will be eligible for membership in the Quarter Century Club during this year. He wishes to have an application for membership from everyone just as soon as they are eligible. You can assist Mr. Hall greatly by calling this matter to his attention. Simply address a note to him in Bldg. 18-5.

department numbered only 25 employees—a marked contrast to the production and number of employees in the Fractional Hp. Motor Division of our present time.

Paul Grimme, whom we all know as the Chief of our Fire and Patrol Dept., started his services here as an assembler in the Fan Motor Dept. under foreman George Knoll. This was on December 29, 1903. The fan motor assembly was then in Bldg. 3-2 and fan motors were practically our only product in the small motor line. Some time elapsed before the vibrator and hair dryer business began to develop and the initial demand for power motors in fractional hp. ratings became evident in the product of the small motor section. Mr. Grimme worked in the Small Motor Assembly Dept. until 1912 when he was offered the position of chief in charge of the night watchmen at our Plant.

By that time he had advanced to the position of what we would now term a leading workman in the small motor assembly and as such was a working assistant to the foreman, Paul Shivers, who was then in charge. While Mr. Grimme was considering the new job which had been offered to him, Mr. Welch, fractional hp. motor engineer, remarked to him that fractional hp. motors undoubtedly would one day be one of the major products of our Fort Wayne Plant. The new position offered Mr. Grimme, however, was attractive and he accepted, starting in as night chief on November 1, 1912. For 12 years he ably handled this work. He recalls the interesting fact that during this time it happened that the city fire departments were called at night in only one instance, and that was to extinguish a blaze in some box cars that were on the Works siding. On November 3, 1924, William Wurtle, who was chief of the Works Volunteer Firemen, died, and on November 24th, General Superintendent E. A. Barnes appointed Grimme to the position of chief.

Paul became a member of the Volunteer Fire Dept. about 1910. There were then only two fire companies—one a ladder company and the other a hose company. After about six months as a fireman Paul was appointed captain of Company

No. 1 and held that post until his advancement to night chief. Since December 7, 1925, Chief Grimme has been in charge of both the fire and patrol forces at our Fort Wayne Works. There are now 60 volunteer firemen and 20 patrolmen counting both day and night forces at our Broadway, Winter Street and Decatur Plants.

On February 12, 1904, Mr. Quinn reported for work and was assigned to the Fan Motor Dept., where he started winding brush-holder springs on a small lathe. A reduction in the amount of work caused his transfer some six months later to the Meter Dept., where he was assigned to a job at a small bench lathe. For about four years he worked in the Meter Dept. under A. F. Strube, running light machines, and then came back to the Small Motor organization where he has remained ever since. From bench and hand-screw machine work he was advanced to the job of making the set-up of machines, and he followed this assignment for quite a time under E. W. Lankenau, then foreman in Bldg. 17-3. Later, under Henry Rheeling, Mr. Quinn had charge of a group of machines building parts for Gray & Davis starters. Then later he worked in the Fractional Hp. Motor Experimental under Foreman William Nestle. During the war he was made working assistant under Foreman William Mueller, who then had charge of the Hand-screw Machine Dept. in Bldg. 17-3, and after the automatic and hand-screw machine work was combined under the supervision of Frank Thompson in Bldg. 4-3, Mr. Quinn continued to assist Foreman Mueller with the hand-screw machine work. About three years ago he was placed on floor production work under Mr. Thompson, Bldg. 4-3, and this is the work on which he is still engaged.

Through his ability as a bowler, Mr. Quinn is known to hundreds of Fort Wayne Works employees. He has taken a leading part in this sport for many years and is one of the best bowlers in our Plant. This season he is bowling as a member of the G-E club team in the city bowling league, and is one of the representatives of the Small Motor

Dept. in the Works Inter-department league.

Before the G-E club was organized, Mr. Quinn was secretary of the G-E Athletic Association and at the last annual election he was elected to the office of secretary of the G-E club.

G-E Band Plays Entire Verweire Program

THE G-E Band program played Thursday noon, February 28th, and broadcast over Station WOWO, is notable in that each one of the six numbers is a composition of the conductor, John L. Verweire, Bldg. 26-5. All of the compositions with one exception are familiar to Fort Wayne audiences for they have been presented often in the concerts by the General Electric and other local bands directed by Mr. Verweire. The new number is the march "Oriental," a composition which was played from manuscript. The complete program follows:

1. March "General Electric."
2. Joveux Caprice.
3. Cornet Solo "Concert Polka"—John L. Verweire.
4. March "Oriental."
5. March "Concordia."
6. March "Major Carson."

Fort Wayne Works Employees Buy G-E Refrigerators

THAT Fort Wayne Works employees are buying General Electric refrigerators is borne out by a statement of the local dealer who tells us that he sold twenty-seven General Electric refrigerators to G-E employees last year. This is evidence that we have every confidence in this product, many units of which are built here in our Fort Wayne Works.

To select for your home use a product of our Company contributes just that much to the general demand for G-E products on which the job of each G-E employee depends. The fact that you are using a General Electric product has its indirect effect in influencing your neighbors and friends to select the same when they buy. And this is a factor which G-E employees should not underestimate. No one can make a mistake in selecting a G-E product.



Roy C. Lawrence



Paul Merkert



Russell H. Johnson



Kenneth Carr



Harry Zimmerman



Alton R. Kissinger

Suggestion Awards Total \$965

DURING the four weeks, January 21st to February 16th inclusive, a total of \$965 was awarded on suggestions at Fort Wayne Works. Twenty-six of these individual awards were ten dollars or more, the largest award during the period being \$75.

The award of \$75 was made to A. Treesh, of the Transformer Dept., Bldg. 19-2. Mr. Treesh suggested a change in the method of assembling transformer leads and terminal boards whereby it was possible to eliminate the tapping of holes in the terminal boards, a saving in both time and expense.

Alton R. Kissinger, Bldg. 4-1, was awarded \$70 on his suggestion that patterns be supplied for certain SD motor flanges.

Paul Merkert, Bldg. 6-3, received \$50 award on his suggestion regarding packing of Type I-16, 15 and 75-ampere meters in corrugated paper cartons.

Harry Zimmerman, Bldg. 19-4, suggested an improved method of riveting relay blocks which reduced breakage and received \$45 award.

J. W. Haffner, Bldg. 4-5, suggested a change in the SD brush mechanism which made it possible to shorten a stud and eliminate a nut. His award was \$40.

Kenneth Paul Carr, Winter Street Plant, suggested a change in method of stacking compressor coils at Winter Street and received \$35 award.

Russell H. Johnson, Bldg. 19-5, received \$25 award on his suggestion regarding the machining of a stud on automatic machines in Bldg. 19-5.

Robert White, Decatur Plant, suggested an improved method of handling inspectors' reports at De-



J. W. Haffner



A. Treesh

catur which brought him an award of \$20.

William Franke, Winter Street Plant, received \$20 award on suggestion regarding washing and reusing skirts used in spraying operation at Winter Street.

William Owen, Bldg. 17-4, received \$15 award on suggestion regarding change to screw holes on locating ring repunch and die used in the Fract. Hp. Motor Dept.

Geo. Schmiedes, Bldg. 19-4, received an award of \$15 on his suggestion eliminating the countersinking of certain holes in T-8 contact blocks.

Charles D. King, Bldg. 4-4, suggested a change in arrangement of bins in stock room, Bldg. 4-4, on which he was awarded \$15.

Walter Johnson, Winter Street Plant, received \$15 award on his suggestion regarding change in feed on P. & J. machine at Winter Street to increase production.

Virgil Carmean, Bldg. 19-1, made a suggestion regarding reducing the time for heat run in testing exciters in Bldg. 19-1 and received \$15 award.

H. D. Brattain, Bldg. 26-2, was awarded \$10 on a suggestion regarding supplying a motor-driven device for assembling studs in transformers in Bldg. 26-2.

Darold H. Emrick, Bldg. 26-2, was awarded \$10 regarding changing the lighting at winding machines in Bldg. 26-2.

Morris Peters, Bldg. 26-2, was awarded \$10 on his suggestion regarding change to assembly of GW-42 transformer to eliminate rejection of coils.

F. G. Durvee, Bldg. 16-3, received \$10 award on his suggestion that paper sacks be used at Winter Street to cover icing units for crating.

Pat Miller, Decatur Plant, received \$10 award on his suggestion regarding change to flange inspection wheels at Decatur.

G. R. Mangels, Bldg. 17-3, suggested change to design of punch used in Bldg. 17-3 and was awarded \$10.

Lucile Saylor, Bldg. 26-2, suggested a change to certain transformer spool collars and received \$10 award.

Robt. Hermely, Bldg. 26-4, on his suggestion regarding elimination of countersinking operation on I-16 meter clamping plates received \$10 award.

H. B. Murphy, Winter Street, on suggestion regarding the annealing of copper tubing in brazing furnace at Winter Street received \$10 award.

Fred H. Briggeman, Bldg. 19-4, was awarded \$10 on his suggestion regarding a change to method of packing Y-39 discs.

Don Voorhees, Bldg. 19-4, received \$10 award on his suggestion regarding a change to drill jig in Bldg. 19-4.

On the following seventy-five suggestions awards of \$5 each were made:

N. H. Crawford, Bldg. 20-1, an improved method of repairing hand trucks.

Wm. C. Kemf, Bldg. 19-5, guarding conveyor drive in Bldg. 19-5.

Otto Gessner, Bldg. 26-B, supplying an air-driven motor to stir paint in Bldg. 26-B.

Frank Coulter, Bldg. 26-2, supplying guards for commutators of motors in Bldg. 26-2.

Lloyd Harshman, Bldg. 26-2, supplying a safety shield at solder pot in Bldg. 26-2.

Maurice J. Adams, Bldg. 19-B, supplying a guard for belt on machine in Bldg. 19-B.

Frank A. Epple, Bldg. 19-5, covering tables with linoleum in Bldg. 19-5.

B. E. Marble, Bldg. 10-1, change to method of making armature saddles used at Decatur.

Gayle Griffith, Bldg. 19-5, improved method of conveying magnets from Bldg. 19-4 to 19-5.

Harold Wm. Struver, Bldg. 4-5, supplying a punch and die for insulation in Bldg. 4-5.

John Runge, Bldg. 22, supplying a chute on press in Bldg. 22.

Carl D. Fisher, Bldg. 4-1, supplying guard at switchboard in Bldg. 4-2.

Georgette Ahlersmeyer, Bldg. 19-5, change to method of packing small parts in Bldg. 19-5.

Delphas A. Winter, Bldg. 19-4, change to finish on certain relay parts.

Albert B. Ray, Bldg. 4-5 supplying a motor-driven device for cleaning leads in Bldg. 4-5.

Geo. Schmiedes, Bldg. 19-4, change to T-8 time switch worm.

Arthur Bottoms, Bldg. 4-5, supplying a guard over shaft on grinder in Bldg. 4-5.

Louis J. Hinen, Bldg. 4-1, supplying a device to pull wire from scrapped armatures in Bldg. 4-1.

Arthur F. Sorg, Bldg. 4-1, supplying fixtures for pressing in bearings in Bldg. 4-1.

Charles M. Griffith, Bldg. 19-3, supplying a guard for gears on oil pump in Bldg. 19-3.

J. B. Grogg, Bldg. 26-4, supplying certain horn fiber used in the Meter Dept. in strips.

J. A. Stover, Bldg. 19-4, installing shelving at conveyor in Bldg. 19-4.

Fred Zehender, Bldg. 8-2, removing pulley from machine No. 9645 in Bldg. 8-2.

Irvin Junk, Bldg. 12-1, supplying a chain on arbor press in Bldg. 12-1.

Frank C. Graffe, Bldg. 3-3, change to operation of coloring fiber transformer tops.

William C. Schultz, Bldg. 4-3, change to motor on machine No. 13145 in Bldg. 4-3.

Richard Fawley, Bldg. 4-4, change to construction of jig used in Bldg. 4-4.

O. T. Chinnes, Bldg. 19-1, supplying a light at time clock in Bldg. 19-1.

Don Voorhees, Bldg. 19-4, improvement to 1A-201 relay magnet jig.

John Junk, Bldg. 4-3, guard for machine No. 70288 in Bldg. 4-3.

Harold A. Hart, Bldg. 4-5, supplying screw driver slots in test flanges used in Bldg. 4-5.

Lewis Clark, Bldg. 4-4, supplying counter for tool No. 12878 in Bldg. 4-4.

Reed L. Watson, Bldg. 4-5, change to doors at oven in Bldg. 4-5.

Louis D. Hopper, Bldg. 20-1, supplying a switch on drill press in Bldg. 17-1.

Robert D. Heinley, Bldg. 17-2, change to testing device used in Bldg. 17-2.

Earl F. Bienz, Decatur Plant, supplying permanent ladders at sprinkler valves at the Decatur Plant.

Albert Trevey, Bldg. 18-B, supplying an acid jar inclinometer in 18-B.

H. M. Kramer, Bldg. 19-2, change to paste containers in Bldg. 19-2.

Earl Rabbitt, Bldg. 2-1; Truman R. Buckles, Bldg. 2-K, change to drinking fountain in Bldg. 2-1.

Virgil C. Asher, Bldg. 17-4, supplying additional counterbores in Tool Dept., Bldg. 17-4.

Frank J. Goetz, Bldg. 17-4, supplying a sign at tool supervisor's door in Bldg. 17-4.

Wilbert A. Ross, Bldg. 20-1, supplying a shield at elevator in Bldg. 17-1.

K. Sheehan, Bldg. 12-2, supplying guard for filling machine in Bldg. 12-2.

Ray Ankenbruck, Bldg. 17-4, supplying guard on filling machine in Bldg. 17-4.

Oscar Baals, Bldg. 26-B, making use of dipping booth in Bldg. 26-B for spraying.

Paul B. Gressley, Bldg. 26-2, supplying guards on motors in Bldg. 26-2.

Wm. G. Demsey, Bldg. 6-3, packing IC-5 and 6 relays in carton No. 25.

Howard Eastman, Bldg. 26-2, supplying equipment for handling paint bucket in spray booth in Bldg. 26-2.

Agnes E. Huston, Decatur Plant, change to catch on lead cable cutter at Decatur.

William Kline, Bldg. 26-2, supplying a metal floor at oven in Bldg. 26-2.

Leo Walters, Bldg. 4-5, change to length of leads on certain Frac. Hp. Motor-generator sets assembled in Bldg. 4-5.

Marlowe Thomas, Bldg. 4-5, supplying non-slip pads at conveyor gates in Frac. Hp. Motor Dept.

Leo Schling, Bldg. 4-3, supplying guards on machine in Bldg. 4-3.

T. Waggoner, Bldg. 20-1, drilling drain holes in crane posts.

Carl Baermann, Bldg. 17-4, supplying improved arbors for milling machines in Bldg. 17-4.

Hershel E. Odier, Winter Street, change to drill jig used at Winter Street Plant.

Myrle Strause, Bldg. 19-5, supplying guard at motor in Bldg. 19-5.

Frank C. Graffe, Bldg. 3-3, moving switch box in Ediphone Dept. in Bldg. 2-3.

Walter Johnson, Winter Street Plant, change to chuck handle on machine No. 16388 at Winter Street Plant.

H. H. Beltz, Bldg. 8-1, supplying guard at chute in Bldg. 2.

S. F. Alsbaugh, Bldg. 19-4, change to tools used in milling M-11 pinions.

Sylvester Lafontaine, Winter Street, supplying air trap at compressor at Winter Street Plant.

George L. Michael, Winter Street Plant, supplying receptacles at conveyor at Winter Street.

Paul A. Snyder, Winter Street Plant, changing felt in trays used at Winter Street Plant.

Frank P. Martin, Winter Street, covering opening in floor at conveyor at Winter Street as a matter of safety.

W. H. Sunier, Bldg. 18-1, supplying pouches for Service Bureau messenger.

Frank A. Epple, Bldg. 19-5, change to binding posts in test switchboards in Bldg. 19-5.

D. McKering, Bldg. 20-1, use of rubber tubing for testing pressure switches in Bldg. 26-4.

Levi E. Osborn, Bldg. 20-1, supplying steel ladder to crane runway at Bldg. 26.

Ben Noll, Bldg. 17-2, supplying guard at oven in Bldg. 17-2.

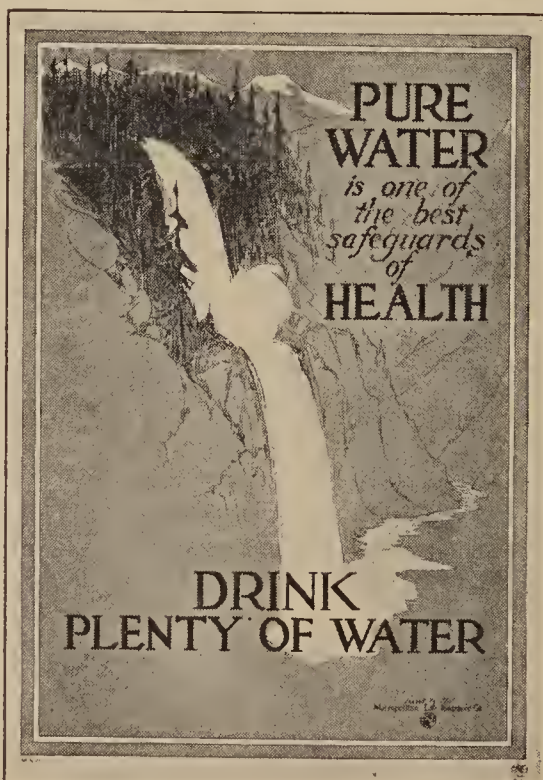
Glenn L. Carney, Bldg. 4-4, supplying supports for ratchets at dipping device in Bldg. 4-4.

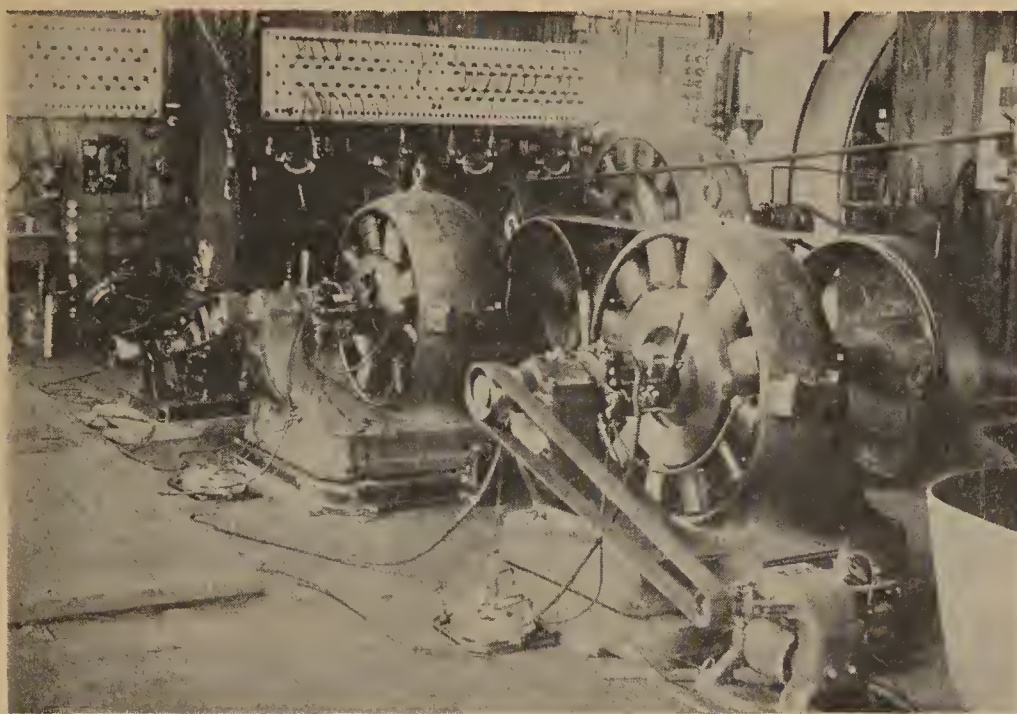
Thelma Sparks, Bldg. 4-4, supplying a file cabinet for test room in Bldg. 4-4.

Russell L. Walters, Bldg. 4-1, change to winding steels used in Bldg. 4-1.

Clarence Coyot, Bldg. 4-2, supplying a guard on press in Bldg. 4-2.

Walter A. Hahn, Bldg. 4-3, supplying guards for machines in Bldg. 4-3.





Old General Test Before Mr. Willson Gave Up Charge

M. S. Willson Celebrates Seventy-sixth Birthday

M. S. WILLSON, who for so many years was foreman in charge of the Apparatus Test, celebrated his 76th birthday on February 27th.



M. S. Willson

On February 5th he wrote to friends here that he and Mrs. Willson were enjoying their winter in a cozy apartment in Pasadena, California. He remarked that from the windows of their apartment they could see the mountains capped with snow and at night the lights of the town of Altadena, situated on the slope of the mountains above Pasadena. Although the weather has been unusually cool in California this winter, Mr. Willson says that with their apartment heated, he and Mrs. Willson keep quite comfortable.

Mr. Willson retired on April 30, 1923, after 37 years of active service here at the Fort Wayne Works. For 27 years he was in charge of the general test, an experience which leaves him many interesting events to recall. He was one of the charter members of the Mutual Benefit Association, the Electro-Technic Club and the G-E Quarter

Century Club, and he naturally retains the keenest interest in all of the various activities at our Plant. We congratulate Mr. Willson on his recent birthday and hope that he may retain his good health and live to enjoy many more happy returns of the day. His present address is 189 N. Marengo Ave., Pasadena, Cal.

"For Goodness Sake"

THE first attempt of the G-E club in the line of musical comedy will be staged in a big way at the Shrine Auditorium on the nights of April 11th and 12th. Be sure to keep one of these dates open and be there! The production will be "For Goodness Sake." There will be 150 people in the cast and of this number only eight will have speaking parts. This means that there will be singing and dancing galore and as you may have guessed, by far the greater part of the cast will be girls. Our own girls, too. It is to be an entirely G-E cast, and we know that General Electric folks can put it across if anyone can.

Chester W. Lutz, a playwright and former director of productions at the New York Hippodrome, is the author of the production and will personally direct this presentation by the G-E club. Mr. Lutz is expected to be here about March 11th, and he will bring a corps of assistants from New York to aid

him in training the cast during three weeks of intensive rehearsals just preceding the presentations of the show. At the first meeting, February 13th, 99 prospective candidates signed up and since then the number of applicants has increased to over 150. It is expected that many more will be interested before the tryouts begin.

The director states that anyone who wishes to do so will be welcome to watch the rehearsals. All rehearsals will be held in Bldg. 16-2. And again, don't forget the dates, April 11th and 12th, for surely you will wish to see this show.

Deaths

Frank Shanaberger

FRANK Shanaberger, armature winder in the Apparatus Division, Bldg. 19-2, died at St. Joseph's



Frank Shanaberger

Hospital, February 25th, of injuries received when he was accidentally caught beneath a heavy stator which he was winding. Mr. Shanaberger had been employed here since November 6, 1909, when he

started armature winding under Foreman Harry Beers in Bldg. 8-2. He continued in this same work, moving with the department to its present location in Bldg. 19-2, and working in turn under Foreman L. D. Meader and N. G. Prince. He was a capable workman and very dependable.

Mr. Shanaberger was 49 years of age. Thirteen years ago his wife died leaving a family of three children which he has well cared for. One daughter, Ruth, is now married; a son, Earle, is a junior at Purdue University; and Bernice, the youngest, is a teacher in the Waynedale school. The funeral was held February 28th in the Methodist Church at Waynedale, of which Mr. Shanaberger was a member, and burial was made in Prairie Grove Cemetery.



MACHINIST-TOOLMAKER APPRENTICES WHO STARTED IN DECEMBER

Standing—left to right: Arnold Johnson, Herman Korte, Ralph Horsh, Albert Wiedeman, Marvin Lampe, Wendel Ehrhart, Robert Deemer, Rufus Winslow, Carl Schafianski. Sitting: Roscoe Brown, Lewis Sherbondy, Adam Nickolson, Edward Bradbury, Carl Herendeen, William P. Schible.

Three Apprentices Finish Course

THREE apprentices taking the draftsman course completed their work recently and were awarded their diplomas and the regular \$75 bonus.

Stanley J. Tisovic, who completed his course January 26th, came from Wabash, where he graduated from high school work with the class of 1924. He is now working in the Meter Dept. drafting section under Mr. Danford, Bldg. 19-5.

Jack Cochran completed his apprenticeship on February 9th, and is now working for Mr. Norris in the Fractional Hp. Motor drafting section, Bldg. 18-5. He is a graduate of Washington high school, class of 1926.

John A. Winter, who completed his apprenticeship February 16th, is now working in the Apprentice drafting section under Mr. Felmlee, Bldg. 19-3. He graduated from the Huntington high school, class of 1925.

Nine students have enrolled during the past month to take the machinist-toolmaker course. All have completed their high school training, some graduating last year, the others being members of classes which finished their courses early this year. These new students are Walter Savage, of Bluffton; Lawrence Case, of Decatur; Dean

Shaffer, of Leo; Robert Hunt, of Bluffton; William Roberts, of Chester Center; Ralph Foust, of Waynes; Elwin Guiff, of New Haven; Donald Hatch and Ivan Lindenberg, of Fort Wayne.

Apprentice Alumni Appoint Committees

THE new officers of the Apprentice Alumni Association met recently and selected the personnel for the entertainment and auditing committees. The entertainment committee named consists of Joe Miles, Karl Geller, Earl Lenz, Kenneth Williams, Dan Geary, Ordean Kiltie, James Jennings and Percy Pepper. This committee will have charge of arrangements for all social activities during the year. The first event is a smoker, which is to be held March 18th in Bldg. 16-2. Several boxing and wrestling matches are planned as special entertainment for this event and all graduates of the apprentice school are invited to be present.

The next regular quarterly business meeting and banquet will be held during the third week of April but the place and exact date have not yet been decided.

On the auditing committee, Clarence Brenner, Lloyd Wellbaum and William Mossman have been asked to serve with Mr. Brenner to act as chairman.

Firemen Plan Activities

THE Works Volunteer Fire Dept. has made its first entry of a team in the National bowling tournament which is to be held in Chicago during March and April. The firemen's team is scheduled to bowl on March 16th and 17th. Those selected for the team are: Ed. Miller, Capt.; Paul Grimme, Phil Weick, Geo. Harkenrider, Dee Hamilton and D. Voorhees.

The firemen are planning a dance to be given in the G-E Club about the first week in April. The exact date will be announced later. A theater party also is planned for the near future but the date for this also was not decided in time for publication in the NEWS.

Already arrangements are under way for the annual convention of the Northern Indiana Industrial and Volunteer Firemen which will be held this year at Bremen. The dates have been set for June 12th and 13th.



John Cochran



Stanley J. Tisovic



John A. Winter



MACHINIST-TOOLMAKER APPRENTICES WHO STARTED IN DECEMBER

Left to right, back row: Herman Pence, Ralston Penick, John Cover, Clarence Nussel, Fred Friedman, Harold Misegades, Aden Cupp, Paul Merkey, Wedon Holderman. *Front row:* Albert Middaugh, Robert Harreld, Wilfred Holloway, Adam Farrell, Chalmers Hazen, Harold Snyder, Earl Plummer.

Noon-hour Programs Very Successful

THE Tuesday and Friday noon-hour programs which began October 30th and will continue until probably some time in April, until the spring fever sets in and invites us to outside activities, have presented a good variety of entertainment. Not only our own employees and their relatives, but also a number of local persons and organizations, as well as out-of-town groups, are taking part in these programs.

In the group consisting of our employees and their relatives, the following have contributed: The G-E club orchestra, composed of members of the former Paul Weaver and Pete Dannecker orchestras, which furnishes music for all the dances; Florence Brown, Bldg. 19-4, who gave a violin program; Joan Hueber, a niece of Clarence Hueber, Bldg. 26-4, who gave readings; Jim Magers, Bldg. 26-2, who gave a monologue; The Mountain Boys, George Theilacker, Bldg. 4-4, Arthur Leshner, Bldg. 19-2, and Ben Jackson, Winter Street, who presented a variety of instrumental and vocal selections; The Hoosier Singers, composed of Albert J. Kruse, Bldg. 6-3, Ralph Latham, Bldg. 9-1, Mark Bills and Frank Griffith, assisted by Mrs. Scott at the piano; a girl's trio composed of LaVera Vail, Bldg. 18-3, Elida Fries, Bldg. 26-5, and Alma Boerger, Bldg. 19-4; the Transformer Department Quartet com-

posed of Roy Bastian, Bldg. 26-2, Paul Peterson, Bldg. 26-1, Karl Lagerlof, Bldg. 19-2, and Art Humes, Bldg. 26-3, accompanied by Harry Bratton, Bldg. 26-2; Evelyn Maas, Bldg. 26-4, who danced; Betty O'Toole, daughter of Jack O'Toole, Meter Dept., Bldg. 19-5, who danced; Eleanor Paetz, daughter of Mrs. Eleanor Paetz, Meter Dept., Bldg. 19-5, who gave readings, and Alta, Dorothy and Irma McCormick, daughters of Mrs. Irma McCormick, Meter Dept., Bldg. 19-5, who appeared in piano, banjo and singing numbers.

The group consisting of local persons not employed here, includes the following: Mrs. Frances Long and some of her students, who gave readings and violin solos; Don Sandros, known as "Sandy" over WOWO, who played the banjo and sang; Vernon Sheldon, who gave a number of impersonations; Rev. Arthur Folsom, who gave the

Thanksgiving Day address: Georgia Fell, who played request numbers on the piano; The Trinity English Lutheran church choir; students of the European School of Music with community singing led by Harold Albert; pupils of Violet Reinewald Prentiss; pupils of Jean Ward; Tom Haynes, of the Better Business Bureau, who gave the Discovery Day address.

We were fortunate in getting the following out-of-town groups: The Jubilee Singers, colored children, from Louisville, under the auspices of The National Home Finding Association; The Gaddis Moser Evangelistic Party; The Tindley Singers (colored), of Philadelphia.

A number of these individuals and groups appear over the radio, especially over station WOWO, either regularly or periodically, and are well known to radio listeners.

The regular noon-hour dances, which are held every Tuesday noon unless other announcements are made, are held in the G-E club gymnasium; the G-E club orchestra provides the music.

These noon-hour programs are arranged by the Industrial Service Dept. Offers from individuals and groups who can render programs are very welcome. Suggestions as to programs, individuals or groups who might take part, are gratefully received. Won't you suggest a program? Telephone number 750 or 563.

How Long Has It
Been Since You
Have Turned
In a Suggestion?

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13

March 15, 1929

No. 3

A Director of Power

DURING the past seven years the factories of the nation as a whole have added eight million new horsepower to turn the wheels of production. This increase has been entirely in electric motors. In 1927 alone, there was an increase of 1,250,000 horsepower, or 7½ per cent, in electric motors installed. Many industries are 100 per cent electrified, and considering all the factories in the United States, electricity is the prime mover for 75 per cent of the horsepower. Installations of boilers and engines locally as a means of power supply has come to a standstill.

This substitution of the electric motor, driven by power from the central station, for the old steam boiler and engine has released enormous sums of money to factory operators and has greatly facilitated the establishment of new factories. With interconnection making power generally available almost everywhere more advantageous location of factories has been possible. Industry at last has the opportunity to move out into the country where improved living conditions are attractive to labor and also where it is possible to more completely adjust factory location to markets, raw materials and transportation facilities.

This movement, described as decentralization, does not imply the closing down of existing plants, or their shifting from one section of the country to another, or their disintegration into a large number of small units. The general movement indicates that present industrialized sections are keeping their industries while new factory expansion is permeating rural sections and bringing about a better diffusion of industry and agriculture.

The electrification of industry has been an important factor to the enlarged output per worker characterizing our industrial performance since the war. The real wages of our workers have risen to new high fixed levels. "Increased productivity is essential to permanent increases in the standards of living," says Mr. William Green, President of the American Federation of Labor. "On the other hand," he continues, "workers must have wage increases if there is to be a sale for the increased output of industries and agriculture."

The industrial worker of today is no longer a laborer; he is a director of power. There is available more than four horsepower, or the equivalent of forty man power, for every worker in the United States.

Driving

*When another fellow's driving,
Tho' I constantly am striving
To behave the way a passenger should do;*

*Still in spite of my endeavor,
I discover I am ever
Sitting tensely there beside—
Driving too!*

*At the highway I keep peering
And my mind is busy steering
And I figure every chance the driver takes.*

*In a manner highly graphic
When he's threading through the traffic
I keep putting on imaginary brakes!*

*In his skill and in his science,
I may fondly place reliance,
I may bow to his experience and years,
Yet I sit there all aflutter
In a Packard or a Flivver
While my mind is feeding gas or shifting gears!*

*So whenever I am riding,
I am driving, I am guiding—
An imaginary wheel is in my hand;
I conduct each operation—
If you ever drove a car, you'll understand!*

BERTON BRALEY.

Absent Employees

Verona Bende, Meter Dept., Bldg. 19-4, who has been unable to be at work for some time on account of sickness, is improving and she is hoping to be able to return to work soon.

Fred Bressler, Meter Dept. Bldg. 26-4, who has been confined to his home by sickness, reports that he is feeling better.

Cleo Dillhoff, Small Motor Dept., Bldg. 17-2, has been ill at her home at St. Henry, Ohio, for several weeks with an attack of rheumatism. The latest information is that she is feeling better.

Lawrence Duke, Meter Dept., Bldg. 26-4, is a patient at the Lutheran Hospital recovering from an operation. He is getting along nicely and is planning on returning to his home at 1115 Tecumseh St.

H. Gule, General Service Division, who has been unable to be at work for some time on account of nervous trouble, is improving.

Arthur Kelker, A-C. Drafting Dept., Bldg. 19-3, who also has been suffering for some time from nervous trouble, reports that he is feeling some better.

W. Maxwell, Carpenter Shop, has been confined to his home at 1140 Jones Street for several weeks suffering from bronchial trouble, but is some better and no doubt will be able to return to work soon.

Mrs. Frieda Moring, Small Motor Dept., Bldg. 4-1, is now at her home at 1921 Brown Street, recovering from a recent operation. It will be some time yet before she is strong enough to return to work.

Otto Rietdorf, Transformer Dept., Bldg. 26-B, is recovering nicely from his recent operation and no doubt will be able to return to work soon.

Victoria Rygowski, Winter Street Plant, who is a patient at the St. Joseph Hospital recovering from burns, is doing so nicely that no doubt she will be leaving the hospital soon. Her home is at 2933 Smith Street.

Margaret Peppler, of Winter Street Plant, is confined to her home on Central Drive following an operation for appendicitis.

Anthony Stark, Apparatus Dept., Bldg. 17-1, is unable to be at work on account of a fractured wrist. He reports that the injury is healing nicely and he hopes that in a few weeks he will be able to return to his work.

Dorothy Stove, Apprentice Dept., Bldg. 12-2, is now at her home at 1002 Cottage Ave., recovering from an operation. Her progress in recovering health seems very good and we all hope it will not be long until she is able to return to work.

Charles A. Coffin Awards Granted 28 Employees

Two Groups Recognized For Engineering Achievements

A DEPARTURE from its former policy was made this year by the Charles A. Coffin Foundation when it granted two of its Charles A. Coffin Awards to groups of three and four men respectively, rather than to individuals. One of these group awards was made to four engineers of the Pittsfield Works for their outstanding work in improving the construction of transformers. The other was made to three engineers who carried out a radical and extremely important improvement in the design of large electric generators.

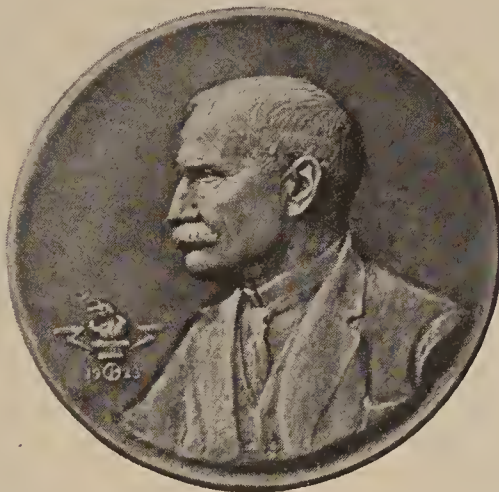
The outstanding improvement in transformers was accomplished by the joint efforts of Louis F. Blume and K. K. Palueff, Transformer Engineering Dept., Pittsfield; J. S. Lennox, now of the Central Station Dept., but formerly in the Transformer Engineering Dept.; and J. M. Weed, now in the Industrial Heating and Welding Dept. but also formerly in the Transformer Engineering Dept. For their work on the improved transformers a joint Charles A. Coffin Award was granted to them.

The problem of insulating transformers to withstand transient voltages such as those caused by switching, lightning, etc.—always one of the most serious problems confronting the designer—has been solved in their accomplishments by the employment of a shielding process which has resulted in smaller, more efficient and less expensive transformers. Very greatly reinforced insulation at various points throughout the transformer winding is used to attain the ability to stand up under the transient high voltages.

It was Mr. Weed who first broadly conceived the idea. This was later worked out in more detail and applied in actual construction by Messrs. Blume and Lennox. The particular contribution of Mr. Palueff was the reduction of the idea to an advantageous commercial design—so that now this method of winding has been made standard for 200,000-volt

service and applied successfully to 132,000- and 154,000-volt apparatus.

The improvement in electric generators—namely, the development of the double-winding elec-



tric generator—is considered one of the most important electrical engineering achievements of recent years. This design eliminates the necessity for bus reactors and keeps down the total short-circuit current which must be broken at any one point on the system. One of the principal advantages of the design is the large saving in installation cost which it makes possible. It was this type of construction which was adopted in the building of the 165,000-kilowatt generator (the largest yet made) which was recently completed by our Company for the New York Edison Co. It is expected that this double-winding construction will be used to a large extent in connection with generators for high-capacity power stations now under development.

For this important engineering development a joint award was made to T. F. Barton, New York District Office; D. D. Chase, Central Station Engineering Dept.; and A. R. Smith, Construction Engineering Dept. Mr. Barton conceived the idea of a double-winding generator and made the broad invention; Mr. Chase worked out the armature winding design which made the idea a commercial success; and Mr. Smith contributed original suggestions which aided

in the solution of the problem.

The awards to workmen, of which there was a total of six, were all for accomplishments of the highest order. Typical, perhaps, was that made to Everett Gearhart, a young stock-keeper of the Fort Wayne Works. Mr. Gearhart suggested a simplified gear train for certain meter registers which eliminated parts, relieved manufacturing difficulties, reduced rejections and complaints and improved the product. His suggestion, furthermore, came after engineers had all but given up the problem. Mr. Gearhart's work is an outstanding example of the manner in which the man in the shop may many times see improvements which have escaped the eyes of the engineers.

The 28 Charles A. Coffin Awards which were made today to G-E employees in various parts of the country constitute the sixth group of awards which have been granted to G-E men and women under the Charles A. Coffin Foundation. Including the 28 awards announced today, a total of 204 awards have so far been granted to G-E employees.

Following is a complete list of those awards which have been granted for the year 1928 with the exception of those already mentioned:

Workmen

A. C. BRANAHL, electrician in the Vacuum Tube Dept., Schenectady Works. Mr. Branahl's skill, ingenuity, and untiring efforts have resulted in important improvements in conditions in his department, many of which were outside his regular duties. For several of these improvements Mr. Branahl has already received substantial suggestion awards.

WILLIAM GOGGINS, employed in the Motor Dept., Schenectady Works. The importance of securing dynamic balance in the rotating parts of electrical apparatus can hardly be over-emphasized,

(Continued on page 3)

Works Employees Who Received Awards



Charles H. Christiansen
Pittsfield Works



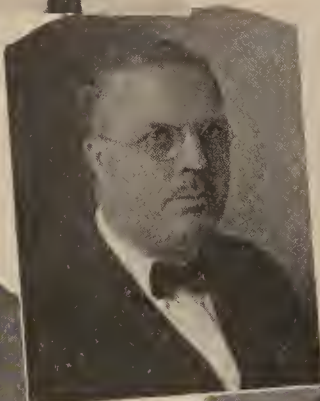
Carl A. Anderson
Schenectady Works



Robert T. Gillette
Schenectady Works



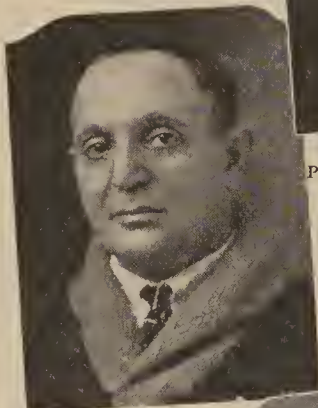
Jacob M. Enders
Schenectady Works



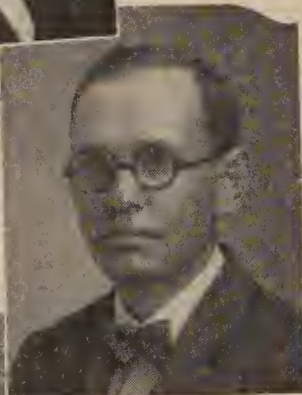
Charles T. Cole
Philadelphia Work



Albert Therrier
River Works



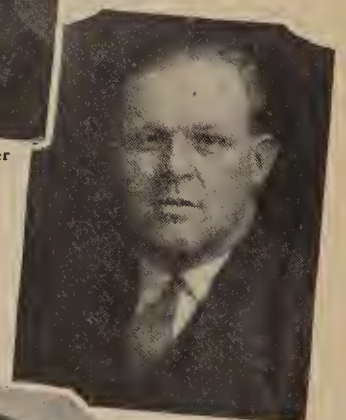
Joseph Schwartz
Schenectady Works



Frederick Davis
West Lynn Works



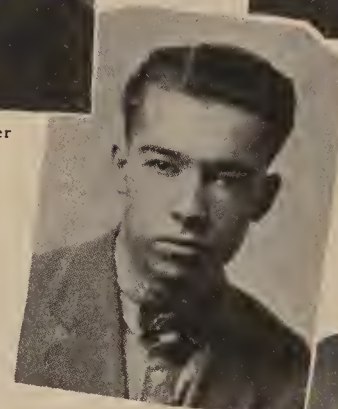
Riva Lorenzo Bunker
West Lynn Works



William Dunn
Schenectady Works



E. Carl Hines
River Works



Everett Gearhart
Fort Wayne Works



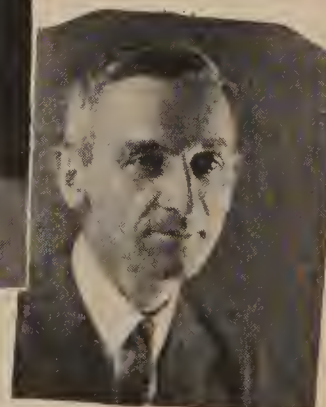
William Goggins
Schenectady Works



Hugo Hatzenbuehler
Newark Vacuum Tube Works



A. C. Branahl
Schenectady Works



Louis F. Blume
Pittsfield Works



K. K. Palueff
Pittsfield Works



"The American Radiator Building," One of Walter Greene's Typical Paintings

for without it there is tremendous vibration with consequent short life of the machine and frequent repairs. Mr. Goggins is engaged in this specialized work, and has suggested remarkable improvements in the art of dynamic balancing, which make for both increased speed and greater efficiency in the work.

JOSEPH SCHWARTZ, die-setter, Schenectady Works. Mr. Schwartz received his Charles A. Coffin award not for any one specific accomplishment but for his consistently fruitful use of the Suggestion System. Mr. Schwartz has submitted some 25 suggestions, of which 11 have been adopted. His suggestion awards have so far earned him a total of \$1200.

CHARLES H. CHRISTIANSEN, transformer assembler, Power Transformer Dept., Pittsfield Works. The assembly of load ratio control transformers has always been a slow and intricate job, and Mr. Christiansen's very important achievement consists of so simplifying this job that a whole week is saved in the assembling of a transformer. In these days of rush orders an improvement which cuts a whole week from manufacturing time is of great importance. Mr. Christiansen's improvements have also greatly improved the appearance of this type of transformer.

E. CARL HINES, Stationary Motor Dept., River Works. Mr. Hines,

with Albert Therrien, foreman, worked out a method for forming coils for direct-current motor armatures which cuts the cost of manufacturing these coils in two, and at the same time produces a more satisfactory job. Extraordinary ingenuity was shown in the development of this machine.

Tool Designers and Expert Mechanics

JACOB MICHAEL ENDERS, expert mechanic, Schenectady Works. Mr. Enders has devised a number of outstanding improvements in machine tools and manufacturing methods, and has planned highly efficient layouts and arrangements of tools and equipment used in various processes. His many unusual contributions have resulted in greatly increased efficiency of many manufacturing operations and a consequent large saving in cost.

CARL ALFRED ANDERSON, expert mechanic, Schenectady Works. Like Mr. Enders, Mr. Anderson has contributed a number of highly important improvements in various manufacturing processes, all tending either to improve the quality of the product or to reduce its cost of manufacture.

FREDERICK DAVIS, Manufacturing Methods Research Laboratory, River Works. Mr. Davis, with Riva L. Bunker, conceived the idea of welding instead of soldering, the leads of a-c. stators. This method of connection has many advantages over that used formerly, being quicker, cheaper and stronger.

HUGO HATZENBUEHLER, master mechanic, Newark Vacuum Tube Works. Mr. Hatzenbuehler developed a machine for trimming lead wires just previous to basing which is used in the manufac-



"On the Great Northern R.R. in the Cascades," Another of Mr. Greene's Paintings

ture of radiotron bases. Previous to his development, this operation was done by hand. In the Incandescent Lamp Dept. alone, this development saves many thousands of dollars a year.

GROVER C. SCHUMACHER, electrician, Cleveland Vacuum Tube Works. Some time ago Mr. Schumacher redesigned the high frequency furnace which is used in making radiotron tubes. Engineers specializing in high frequency furnace construction did not accept his suggestions, but he was allowed to put them to test himself. He did, and he produced a furnace simpler, cheaper to build, cheaper to operate, more efficient and possessing double the capacity of the former furnaces.

Foremen

ALBERT THERRIEN, foreman, experimental winding, Stationary Motor Dept., River Works. Mr. Therrien, with E. Carl Hines, worked out the method for forming coils for direct-current motor armatures referred to above. He also developed an important machine for performing an additional operation on these coils, which has resulted in a still further large saving in manufacture.

RALPH C. FREW, general foreman, Frosting Dept., Niles Glass Works. Mr. Frew is responsible for the operation of the Frosting

(Continued on page 6)

How Long Since
You
Have Made a
Suggestion?

Here and There With the G-E Cameraman



Diesel-electric tug "Chagres", electrified by G-E, now in service on the Panama Canal



One of the new sound-operated traffic signals, installed by G-E in Burlingame, California



G-E floodlighting at the Boston airport helped this plane to land safely at night

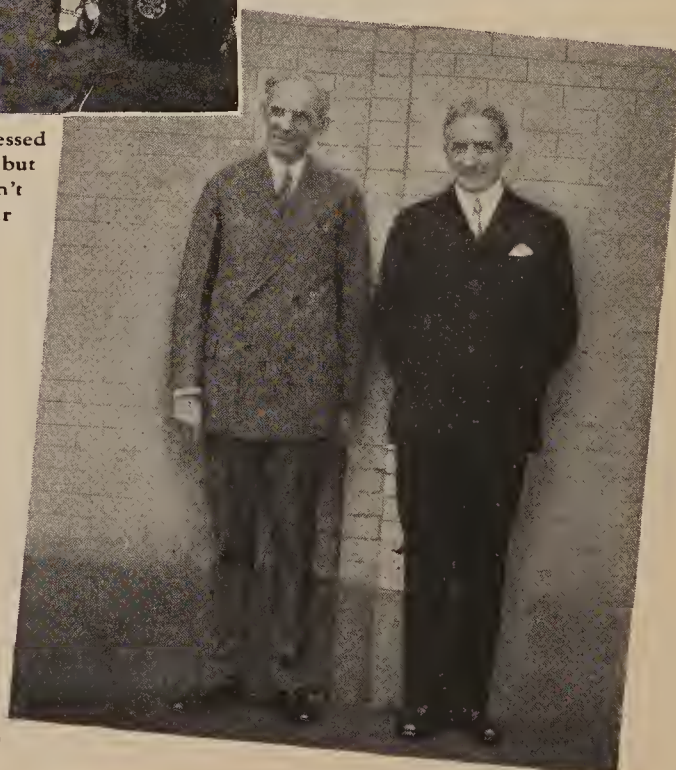


These girls got all dressed up for a WGY play, but the makeup didn't show for all their trouble

This G-E electrified elevator picks up entire freight cars and dumps the coal into the Lake Erie steamers at the docks of the Toledo and Ohio Central Railroad



President Swope and Henry Ford photographed together at the Ford plant in Dearborn



Around the World



with General Electric

China

It is a good old Chinese custom to burn "joss" money before the ancestral shrines in the temples, and the supplying of this money is a good business in itself. The money is of paper coated with a very thin tin or aluminum foil and fashioned to look like the native "sycee" of silver. It is estimated that this trade amounts to about 15 million silver dollars a year. This custom of burning money arises from the belief that in death a person needs some funds for current expenses in the land beyond. And many times, when the descendants can afford it, they burn in addition to the money, all sorts of things that the deceased considered useful and of value to himself, a set of paper servants or horses, in fact, anything. And now, much to the surprise of a member of the G-E staff in China, even G-E fans are very desirable things to send to relatives in the land beyond. He found a paper replica of a G-E fan, with its monogram in the right place and all, in the window of a shop that sold "joss" money and figures.

Baltimore

It is a well known fact that a little boy sucking on a lemon can silence the largest band. And soon it will be possible for some mischievous youngster to hold up traffic on a main artery at an intersection by whistling or shouting. Charles Adler, Jr., a signal engineer at Baltimore, working with the G-E has devised a traffic signal system that will change the green light on a main thoroughfare to red when an autoist blows his horn on a side street intersection. And it does not seem impossible that a small boy with a healthy pair of lungs could change the light as well. Respectable little boys, however, will press a button, located on a convenient pole near the crossing. For pedestrian traffic has not been neglected under this system, and a button will operate the light as well as the sound-collecting device.

Philadelphia

Cutting 16-inch battleship armor plate, one of the hardest steels in the world—a feat considered impossible with present day machine tools; cutting a screw thread on big blocks of plate glass; tooling porcelain, bakelite and manganese steel, all most difficult tasks with the best tool steel now in use, were among some of the interesting feats done easily a few days ago at the Philadelphia Navy Yards with the new kind of machine tool material, known as carboloy, a product of our G-E research laboratories. The demonstration was an official test of the new material ordered by the Bureau of Engineering of the U. S. Navy and in addition to prominent navy officers there were present representatives from many shipbuilding and steel companies.

The Vatican

A new book stack is being constructed in the Vatican at Rome to house some very old and valuable books. In order to preserve them it is necessary to keep the amount of moisture in the air uniform. A G-E electrically heated boiler is to be installed to admit steam into the stack during the winter to prevent the books from cracking in the excessively dry air. Then seven G-E air-heating units will be installed to counteract the extremely high humidity that prevails during the summer months.

Texas

One would hardly consider a soldering iron a suitable tool for cutting stencils, but Koetter and Arbing, interior decorators of Houston, Texas, thought otherwise. They bought a G-E soldering iron and found it a newer and better tool for cutting stencils from celluloid. After the design has been drawn on the sheet, the hot point of the iron readily burns out the stencil, making a much more desirable edge than would a cutting tool.

South Carolina

The government has decided to equip three new lightships with Diesel-electric drive. The electrical equipment will be G-E, and the order is of importance because it may be an indication that the government will electrify all its new lightships. These three boats are to be stationed along the east coast when they are completed. Many have the idea that these boats are permanently anchored, and have no need for propulsion machinery. But they periodically have to return to port to replenish supplies, and after they have been blown away in severe storms, they require some type of drive to get them back to their positions.

India

It is difficult to associate modern streets and modern street lighting with the ancient glamorous cities of India. Yet our British company reports the order for a generating plant and street lighting equipment for the rich old city of Ajmer, the capital of the province of Ajmer-Merwara. This city is an important grain and produce center, a banking center and also the headquarters of an important railroad. It is the nearest station on the railroad to the Mohammedan shrine of the Durgah and the most holy of Hindu shrines, Pushkar.

Kentucky

A unique application of radio equipment to locomotive operation is being tried out by the American Rolling Mills Company at Ashland. The equipment being used is similar to that now in use on main freight lines, but in this case one unit is in the yard dispatcher's office and the other in the locomotive working in the yard. Two-way communication enables the dispatcher to issue orders and receive a confirming reply. This application is an expansion of the G-E experiments conducted a few years ago in collaboration with the New York Central, establishing radio communication between the locomotive cab and the cabooses.

Charles A. Coffin Awards

(Continued from page 3)

Dept., which operates 24 hours a day, and, although not a chemist, has developed a process for utilizing the waste products of the Frosting Dept. which reduces the cost of frosting bulbs by about 40 cents a thousand. When it is considered that about 150,000,000 bulbs are frosted per year, this saving is considerable.

CHARLES T. COLE, foreman, Philadelphia Works. For years such products of the Switchgear Dept. as safety panels, housings, metering cabinets and so on had been made by first welding together a steel framework and then covering it with galvanized iron. Mr. Cole suggested that these be fabricated direct from sheet steel—a suggestion which has now become standard practice and which has not only proved an economy but has actually improved the quality of the products.

RIVA LORENZO BUNKER, foreman, Manufacturing Methods Research Laboratory, River Works. Mr. Bunker, with Frederick Davis, conceived the idea of welding, instead of soldering, the leads of a-c. stators. This method of connection has many advantages over that used formerly, being quicker, cheaper and stronger.

WILLIAM DUNN, foreman, Schenectady Works. Mr. Dunn, formerly a sub-foreman in the Switchboard Dept., was placed in charge of the Vitreous Enameling Dept. when the Schenectady Works undertook the manufacture of refrigerators. Some of the problems which he faced in the application of vitreous enameling processes to refrigerators were considered insurmountable by experts from enameling concerns. Nevertheless, he persevered, with the result that his department has now made an enviable record for itself in the matters of low cost, high quality and dependable production.

Administrative

ROBERT T. GILLETTE, Schenectady Works. Mr. Gillette has exer-

cised unusual perseverance and has shown rare ability in the development of methods for welding dissimilar metals. This is now satisfactorily accomplished by the use of Elkonite electrodes and the method, of course, has a very wide application.

Commercial

CLARK BAKER, SR., lighting specialist, Pacific Division, National Lamp Works. Through his own initiative Mr. Baker has conceived, organized and completed numerous educational programs which carried the story of light and illumination to every branch of the electrical industry on the Pacific coast and to the general public. Mr. Baker's efforts have called for considerable sacrifice to himself and his family, but his efforts have been splendidly rewarded by the results.

HENRY VANCE CRAWFORD, commercial engineer, Industrial Dept., Schenectady. Entirely outside of his regular field of responsibilities, Mr. Crawford developed a theory which has revolutionized certain aspects of foundry practice. He then developed an automatic throttling device for centrifugal blowers which automatically controls the air supply and compensates for changes in atmospheric temperature and pressure. With this device it is possible to carry out his theories, and the entire foundry fraternity acknowledges its importance.

WALTER L. GREENE, artist, Publicity Dept., Schenectady. When the 1925 G-E calendar was being considered, it was suggested that Mr. Greene might be able to produce a series of twelve paintings for this purpose. He immediately seized upon this opportunity with the utmost enthusiasm and produced results beyond the most confident expectation. Only one such calendar was contemplated but the 1929 calendar represents the fifth in the series. Greene is acknowledged to be outstanding in the field of industrial art, and

the sixty paintings which he has so far created for the series, if brought together in one place, would constitute a unique gallery depicting the applications of electricity in this electrical age.

MONTROSE M. BOGGESS, salesman, Kansas City Office. Mr. Boggess displayed a remarkable persistence and unusual engineering and commercial ability in furthering the sale of power-factor-correcting apparatus in industrial plants. This is a field for the sale of G-E apparatus which has not yet been sufficiently explored.

Over Half a Million Paid in Pensions in 1928

DURING the year ending December 31, 1928, a total of \$514,495 was paid to pensioners of the Company. Of this amount \$431,574 went to pensioners from the various Apparatus Works, and \$82,921 to those of the Incandescent Lamp Dept., the General Office and the District Offices. This sum is the largest ever paid by our Company in pensions since the inception of the plan in 1912. The amounts each year have grown until now the grand total is \$2,129,471.

On January 1, 1928, the number of pensioners was 607 and during the year 346 names were added, bringing the total to 953. But 76 pensions were discontinued, leaving the total at present 877. The secretary's office has prepared statistics revealing the facts that the average age of the pensioners is 68.72 years; the average active service is 28.35 years; and the annual pension, \$730.00.

The following is a detailed summary of the report:

Year 1928	
Schenectady Works.....	\$ 273,365
River Works.....	80,987
West Lynn Works.....	29,981
Pittsfield Works.....	23,851
Fort Wayne Works.....	14,884
Bloomfield Works.....	7,716
Bridgeport Works.....	790
Total Apparatus Works.....	\$431,574
Incandescent Lamp Dept.....	16,302
General Office.....	25,104
District Offices.....	41,515
Total Year 1928.....	\$ 514,495

G.E. Employees Securities Corporation

Sixth Annual Report

TO THE STOCKHOLDERS AND BONDHOLDERS OF THE G.E. EMPLOYEES SECURITIES CORPORATION:

Introduction

The assets of your Corporation have been steadily growing since its organization in 1923 until at the close of the last year, taking all securities owned at their cost value, the total assets were more than \$50,000,000. This represents an increase of more than 10 per cent since the close of 1927. As the market value of practically all the securities owned has increased with great rapidity, this statement of assets might be said to be extremely conservative.

Net income from operations made even a larger growth of 16 $\frac{2}{3}$ per cent, while the reserve for possible losses was built up to a total of \$4,718,336. This reserve has been entirely created from the profits made on the sale of securities. While it is not the policy of your directors to sell good securities merely because there has been an advance in the market price, nevertheless from time to time as especially favorable opportunities occur to sell certain holdings they are availed of and the profits put in the reserve.

Participation of Employees

As this Corporation was organized to serve as a vehicle for saving by employees of the General Electric Company, it has been gratifying to observe during the year a growth of almost 2000 new bondholders, bringing the total number of General Electric employees in actual possession of bonds to 29,062. Taking into account the large number of subscribers who are not yet in possession of bonds but who are paying for them through payroll deductions, there is a grand total of 34,000 employees investing in our securities.

The average bondholder owned at December 31st approximately \$1100 in bonds and received as a semi-annual interest payment at December 1st approximately \$44.

Diversity of Investments

It has been the effort of the management to secure as wide a

diversity of investments as possible. If you will read the list of companies whose securities we own, which is attached to this report, you will observe that this policy of diversity has been very carefully followed out by your directors. There are over 114 companies

I have read with considerable interest President Mason's Sixth Annual Report of the G.E. Employees Securities Corporation and commend it for the attention of all our employees whether they are holders of bonds or not. It shows a sound financial condition and in addition that an ever-increasing group of employees are laying aside part of their earnings for the unforeseen events of the future through the purchase of the bonds. It is gratifying indeed that such a large proportion of our employees now hold or are purchasing bonds in the Securities Corporation.

Gerard R. Peapack

President.

whose securities are owned and you will see by their very names that they operate in many different sections of the United States—in fact it would probably be hard to find a state in the Union in which one of these companies does not operate or own securities in a light and power company.

By far the largest proportion of the money of the Corporation has been invested in preferred stocks of electric public utilities. The next largest investment is in common stock of the General Electric Company, of which the G.E. Employees Securities Corporation is the largest stockholder. There has, of course, been a considerable appreciation in the value of the General Electric common stock holdings, so that considering their

market value and not their cost value, they constitute about 35 per cent of the total market value of the investments of your Corporation. In a sense, every holder of bonds has, therefore, a considerable stake in the General Electric Company.

General Financial Results

Without attempting to make a detailed analysis of the balance sheet and income account which you will find at the end of this report duly certified to by Peat, Marwick, Mitchell & Company, public accountants, you may be interested in the following results of the operations of your Corporation during 1928:

1. The total amount paid debenture bondholders as interest on their investments during 1928, amounted to \$1,935,000. This brings the grand total of all payments to bondholders, including the 2 per cent paid by the General Electric Company since the organization of the Corporation, to \$8,162,975.86.

2. The accumulated reserve for possible losses now amounts to \$4,718,336, which is set aside to be drawn upon in case any securities have to be sold at less than your Corporation paid for them.

3. The margin of safety in back of the 6 per cent debenture bonds is now 35.8 per cent. This is made up as follows:

Paid-in Capital.....	\$ 7,000,000
Surplus earned.....	1,432,000
Reserve for possible losses..	4,718,336
Total.....	\$13,150,336

and comparing these items with the outstanding bonds amounting to.....\$36,750,000

This is in addition to the factor of safety arising from the large increases in market value of securities owned.

4. Leaving out of consideration the profits from the sale of securities, the income of the Corporation was almost 1 $\frac{2}{3}$ times the amount necessary to pay 6 per cent interest on debenture bonds.

Respectfully submitted,
C. N. MASON,
President.

In addition to holdings already mentioned in the stock of the General Electric Company, the Corporation owns securities in the following public utility companies at December 31, 1928:

Allied Power & Light Corp., American Cities Power Light Corp., American & Foreign Power Co., Inc., American Gas & Electric Co., American Power & Light Co., American Public Service Co., American Superpower Corp., Appalachian Electric Power Co., Appalachian Power Co., Arizona Edison Co., Associated Gas & Electric Co., Buffalo, Niagara & Eastern Power Corp., Carolina Power & Light Co., Central Gas & Electric Co., Central Illinois Light Co., Central Illinois Public Service Co., Central Power & Light Co., Central & South West Utilities Co., Central States Electric Corp., Chicago City Railway Co., Cities Service Co., Cities Service Power & Light Co., Columbia Gas & Electric Corp., Commonwealth Edison Co., Commonwealth Power Corp., Community Power & Light Co., Consolidated Gas Company of New York, Consolidated Gas Electric Light & Power Co., Baltimore, Consumers Power Co., Continental Gas &

Electric Corp., Detroit Edison Co., Edison Electric Illuminating Co. of Boston, Electric Investors, Inc., Electric Power & Light Corp., Electric Public Utilities Co., Empire District Electric Co., Empire Power Corp., Engineers Public Service Co., Florida Power Corp., Florida Power & Light Co., General Gas & Electric Corp. Georgia, Power Co., Green Mountain Power Corp., Gulf States Utilities Co., Idaho Power Co., Illinois Northern Utilities Co., Illinois Power & Light Corp., International Paper & Power Co., International Power Securities Corp., Italian Superpower Corp., Jersey Central Power & Light Corp., Kansas Gas & Electric Co., Kentucky Securities Corp., Key West Electric Co., Long Island Lighting Co., Los Angeles Gas & Electric Corp., Louisiana Power & Light Co., Louisville Gas & Electric Corp., Massachusetts Utilities Associates, Metropolitan Edison Co., Middle West Utilities Co., Midland Utilities Co., Minnesota Power & Light Co., Mohawk Hudson Power Corp., Mountain States Power Co., National Power & Light Co., National Public Service Corp., Nebraska Power Co., New England Power Association, New England Power Co., New England Public Service Co., New York Central Electric Corp., New York, New Haven & Hart-

ford Railroad Co., New York Power & Light Corp., New York & Richmond Gas Co., North American Co., North American Edison Co., North Boston Lighting Properties, North West Utilities Co., Northern Indiana Public Service Co., Northern New York Utilities, Inc., Northern States Power Co., Northwestern Public Service Co., Ohio River Edison Co., Pacific Gas & Electric Co., Penn-Ohio Edison Co., Pennsylvania Ohio Power & Light Co., Philadelphia Electric Power Co., Philadelphia Rapid Transit Co., Portland Electric Power Co., Potomac Edison Co., Public Service Corporation of New Jersey, Public Service Company of Northern Illinois, Puget Sound Power & Light Co., San Joaquin Light & Power Corp., Savannah Electric & Power Co., Southeastern Power & Light Co., Southern California Edison Co., Southwestern Gas & Electric Co., Southwestern Power & Light Co., Standard Gas & Electric Co., Standard Power & Light Corp., Swiss-American Electric Co., Tennessee Electric Power Co., Texas Electric Railway, Texas Power Corp., Tide Water Power Co., Tokyo Electric Light Company, Ltd., United Gas Improvement Co., United Light & Power Co., United Light & Railways Co., West Penn Power Co., Western Power Corp., Western Union Telegraph Co.

Statement of G.E. Employees Securities Corporation

BALANCE SHEET

As at December 31, 1928

Assets

Investment Securities, at Cost.....	\$45,345,903.68
Accrued Interest on Securities (Other than Stocks).....	80,274.96
Cash on Deposit and on Call.....	4,984,286.43
	<u>\$50,410,465.07</u>

Liabilities

G.E. Employees Debentures—6 %—due February 1, 1973:	
Authorized.....	\$40,000,000.00
Issued.....	36,750,000.00
Accrued Interest thereon.....	183,750.00
Other Accruals and Expenses.....	46,378.14
Dividend Declared and Unpaid.....	280,000.00
Reserve for Possible Losses on Securities..	4,718,336.76
Capital Stock and Surplus:	
Authorized, 80,000 shares of No Par Value.	
Issued, 56,000 shares:	
Paid-in Capital.....	\$ 7,000,000.00
Surplus earned.....	1,432,000.17
	<u>8,432,000.17</u>
	<u>\$50,410,465.07</u>

Contingent Liabilities—None.

INCOME ACCOUNT

For the Year Ended December 31, 1928

Income:

Dividends on Stocks Owned.....	\$ 2,957,712.09
Interest on Bonds and Other Securities Owned.....	258,547.21
Interest on Bank Deposits and Other Interest.....	109,816.34
	<u>\$ 3,326,075.64</u>

Expenditures:

General Expenses.....	\$ 170,391.40
Interest on G-E Employees Debentures—6 %	1,935,000.00
	<u>2,105,391.40</u>
Net Income.....	<u>\$ 1,220,684.24</u>

SURPLUS ACCOUNT

For the Year Ended December 31, 1928

Balance as at January 1, 1928.....	\$ 771,315.93
Net Income for the Year Ended December 31, 1928.....	1,220,684.24
	<u>1,992,000.17</u>
Less Dividends Paid or Declared.....	560,000.00
Surplus as at December 31, 1928.....	<u>\$ 1,432,000.17</u>

Certificate of Auditors

We have audited the books and accounts of the G.E. Employees Securities Corporation for the year ended December 31, 1928, and certify that the attached Balance Sheet and Income Account have been prepared therefrom and, in our opinion, properly present the financial position of the Corporation at December 31, 1928, and the net income for the year.

The investment securities are stated at their cost value, the aggregate market value being in excess thereof.

PEAT, MARWICK, MITCHELL AND CO.

New York, N. Y.
March 1, 1929

Man-Made Lightning!

F. W. Peek, in Pittsfield Works Laboratory, Succeeds in Producing 5,000,000 Volt Electric Discharges

ELECTRIC discharges of five million volts, which are the largest ever attained and measured in any laboratory, have been produced and measured in the high-voltage laboratory of the G-E Pittsfield Works. This amazing feat, together with the new method by which it was done, was recently described by F. W. Peek, consulting engineer of our Company, at a meeting of the American Institute of Electrical Engineers. Previous to this, the highest discharges ever attained were of 3,600,000 volts—also produced by Mr. Peek.

It has not yet been determined just what the characteristics of these enormous electric discharges are. Nor is it yet known just how this new high voltage will be used experimentally. But it will certainly be used in the research which electrical engineers are constantly conducting into the habits and peculiarities of natural lightning, especially the effects of lightning on electrical generating and transmitting apparatus.

By means of its new advances will undoubtedly be made in the art of protecting such apparatus from damage by lightning.

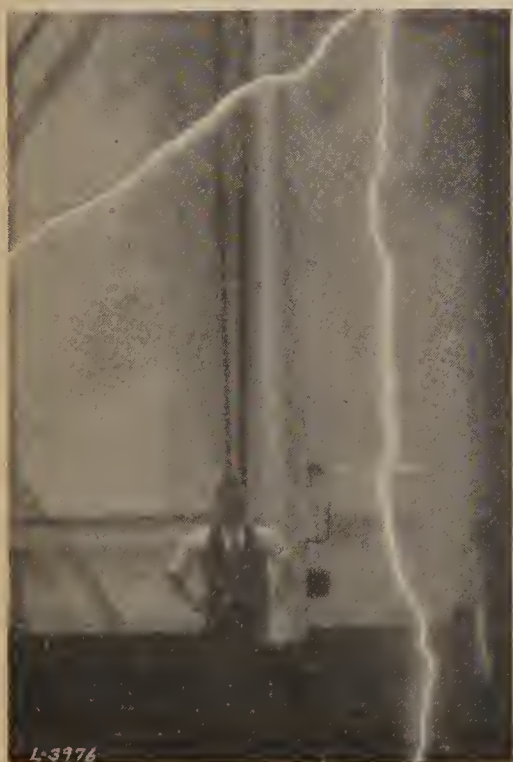
The new method devised by Mr. Peek for producing the five million volts is to use four 1,250,000-volt generators arranged in series so that the voltages of all four generators are added together at the proper instant. Alternating current is applied directly to each generator, without the use of rectifiers; and at that instant on the crest of the wave when each unit is fully charged gap spark-overs take place, connecting the generators in series and permitting the maximum discharge. Resistances between the units permit the 60-cycle current to flow, charging the generators, but the resistances are such that they do not permit the flow of the high impulse current, thereby necessitating the spark discharge of five million volts in order to discharge the units. By varying the resistances, condensers and inductance, the wave shape can be made to have different characteristics, such as those of lightning. Waves varying in duration from a few millionths of a second to a thousandth of a second have been used in experiments.

And five million volts is not the limit, according to Mr. Peek. He declares that by continuing the series of generator units to include five or more, even higher voltage can be produced.

Although the limit of voltage directly produced by man has now been increased to five million volts, the voltage that has been measured is now a matter of 10,000,000 volts,



5,000,000-volt Lightning Discharge on a Long Transmission Line Insulator String



Two 5,000,000-volt Lightning Bolts Striking to Earth in High Voltage Engineering Laboratory.

the result of reflection, and consequent doubling, of the five-million-volt impulse at the ends of the transmission line. In this respect the voltage is like a wave in a bathtub, which, upon striking the end of the tub, doubles in size.

In speaking of this new accomplishment, Mr. Peek explained that natural lightning is of the order of 100,000,000 volts (20 times that of laboratory lightning), 100,000 amperes, and that the discharge occurs in a few millionths of a second. Summarizing the facts ascertained about the effect of lightning on electric transmission lines, he said that high-voltage waves are shorter in duration than low-voltage waves, that ground wires above transmission wires reduce induced voltages by about half, that transformer insulation should be stronger than adjacent line insulation, that voltages higher than any ever observed on transmission lines have now been obtained experimentally, and that it now seems feasible to produce approximately lightning-proof transmission lines.

"There is still a good deal to learn about lightning problems,"

(Continued on page 10)

A New England Leader

IT takes one kind of genius and ability to start at the foot of the ladder and climb to a position of business and financial success. The men who have had it have been, and are now, conspicuous in the commercial history of our country.

There is another which is no less important—the ability to start higher up the ladder of opportunity than the average person, and keep climbing. Not every man who is “born with a silver spoon in his mouth” is able to keep it there; in fact, the world is full of examples of those who have lost them or have thrown them away.

Philip Stockton, president of the Old Colony Trust Company, Boston, and one of the directors of our Company, is one of that class of men who, blessed with a good start in life, are not content to idle merely because they might do so if they wished, but are ambitious for successes of their own.

He is a son of Howard Stockton, an eminent Boston lawyer and financier, who was at one time president of the American Bell Telephone Company and is at present, at the age of 87 years, actuary of the Massachusetts Hospital Life Insurance Company.

Philip Stockton, the son, was born in Brookline, Massachusetts, in 1874, and after preparing for college in Noble's school, Boston, entered Harvard. He was graduated from the latter with the degree of bachelor of arts in 1896. He then entered Massachusetts Institute of Technology, where he took a course in civil engineering, and was graduated in 1899.

With this thorough educational training, he set himself to work. He joined the Merrimack Manufacturing Company organization, with which he was connected for a year and a half, a year of which he spent at Huntsville, Alabama, constructing a mill plant. He then served as treasurer of the Lowell Bleachery until January, 1902. Next, he entered the banking field and served as president of the City Trust Company until the beginning of 1910, when he was elected to the presidency of the Old Colony

Trust Company, in which office he has since remained. He became a director of our Company in 1912,



Philip Stockton

and in the ensuing 16 years has taken a major part in guiding its destinies.

He is also a director of the Submarine Signal Company, American Telephone and Telegraph Company, Fall River Gas Works Company, Ludlow Manufacturing Associates, New England Mutual Insurance Company, American Sugar Refining Company, Guarantee Company of North America, Haverhill Gas Company, Merrimack Chemical Company, Puget Sound Traction Light and Power Company, American Agricultural Chemical Company, Berkshire Cotton Manufacturing Company, Boston Chamber of Commerce, Carolina Power and Light Company, Great American Insurance Company, Gillette Safety Razor Company, International Acceptance Bank, Inc., International Power Securities Company; trustee, Boston Five Cents Savings Bank and Bankers' Electric Protective Association; and president and director, A. J. Tower Company.

Business does not take all of his interest, however. He has served as treasurer of the Infants' hospital, Boston, and has contributed of his time and work to other institu-

tions. During the World War he served on the Liberty Loan and other committees.

His chief recreations are court tennis, lawn tennis, and trap shooting, and his club memberships include among others the Tennis and Racquet and the Somerset Clubs of Boston, and the Harvard and Racquet and Tennis Clubs of New York.

Man-Made Lightning

(Continued from previous page)

said Mr. Peek. “But at least the study of lightning is now on an engineering basis, since it is expressed numerically in volts and amperes.”

“The following indicates how rapid the progress has been: the wave shape of lightning has been pictured by the cathode ray oscillograph (described in the WORKS NEWS for September, 1928); the time required for a cloud to discharge has been measured by the cathode ray oscillograph; the attenuation of lightning waves traveling on a transmission line has been determined; natural lightning waves have been reproduced in the laboratory, where their effects on transmission lines, insulation, insulators, transformer and protective apparatus have been studied at will; a lightning generator producing over 3,600,000 volts has been constructed and waves from this generator have been sent over transmission lines to test full-size transformers and other apparatus to determine how to make them highly resistant to lightning.

From this it should be obvious that the investigation of lightning phenomena has not stood still. With the new high voltages available, this highly important investigation should advance even more rapidly.

The construction of the lightning generator was carried out under Mr. W. L. Lloyd, Jr., the lightning tests were made by Mr. R. Meeker and the laboratory staff; while the lightning waves (measured in millionths of seconds) were recorded by H. L. Rorden and J. C. Dowell. Much credit is due to them for the success of the experiments.

General Electric Hour

Programs

March 16th—Merchandise, G-E Vacuum Cleaner.

March 23rd—Electric Refrigerator.

March 30th—G-E MAZDA Lamps.

April 6th—Edison Electric Appliance.

April 13th—Railroads.

April 20th—Electric Refrigerator.

April 27th—Fractional Horsepower Motor.

May 4th—Electric Refrigerator.

Stations	
Atlanta.....	WSB
Boston.....	WEEI
Buffalo.....	WGR
Charlotte.....	WBT
Chicago.....	WLS
Cleveland.....	WTAM
Dallas.....	WFAA
Davenport.....	
Denver.....	KOA
Des Moines.....	WHO
Detroit.....	WWJ
Duluth.....	WEBC
Hartford.....	WTIC
Houston.....	KPRC
Jacksonville.....	WJAX
Kansas City.....	WDAF
Los Angeles.....	KFI
Louisville.....	WHAS
Memphis.....	WMC
Milwaukee.....	WTMJ
Minneapolis-St. Paul..	KSTP
New York City.....	WEAF
Oklahoma City.....	WKY
Omaha.....	WOW
Philadelphia.....	WFI
Pittsburgh.....	WCAE
Portland, Maine.....	WCSH
Portland, Oregon.....	KGW
Providence.....	WJAR
Richmond.....	WRVA
St. Louis.....	KSD
Salt Lake City.....	KSL
San Antonio.....	WOAI
San Francisco.....	{ KGO
	{ KPO
Schenectady.....	WGY
Seattle.....	KOMO
Spokane.....	KHQ
Washington.....	WRC
Worcester.....	WTAG

Safety Contest

YORK and New Kensington have started the year with clear records, according to the report of the Inter-plant Accident Prevention Contest for January.

The standing of the plants is as follows:

DIVISION 1	DIVISION 2
New Kensington	Bridgeport
York	ALL PLANTS
West Lynn	Pittsfield
Philadelphia	Oakland
Fort Wayne	Schenectady
Baltimore	Erie
River Works	Bloomfield

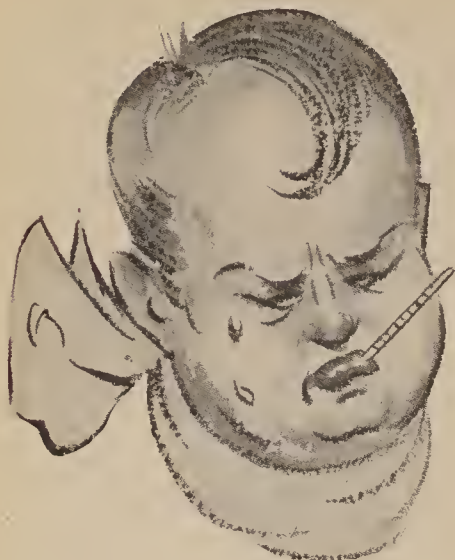
Years		Date of Death	Employees	Age	Beneficiary	Free Ins.	Add'l Ins.
1928							
Schenectady Works							
37	Dec.	14	Frank MacGill.....	65	Wife	Yes	Yes
12	Dec.	18	Louis Iovino.....	57	Wife	Yes	Yes
37	Dec.	19	Gustave Lange.....	55	Daughter	...	Yes
22	Dec.	22	Wilfred S. Eaton.....	67	Wife	Yes	Yes
1	Dec.	23	Bernard W. Lachanski.....	17	Father	Yes	Yes
12	Dec.	24	Simon J. Jacobs.....	45	Son	Yes	Yes
26	Dec.	27	Elton A. Shaw.....	70	Wife	Yes	Yes
21	Dec.	31	Robert S. McCadden.....	51	Son	Yes	...
19	Jan.	1	William Cross.....	61	Wife	Yes	Yes
36	Jan.	2	Hugh McCabe.....	65	Friend	...	Yes
33	Jan.	9	Michael Devine.....	71	Wife	Yes	Yes
16	Jan.	11	Frank Rooney.....	53	Wife	Yes	Yes
18	Jan.	12	John Mack.....	62	Step-Daughter	Yes	Yes
5	Jan.	17	William G. Matthews.....	37	Wife	Yes	Yes
1929							
12	Jan.	18	Michael Mortaruolo.....	44	Wife	Yes	Yes
7	Jan.	21	James Bisgrove.....	54	Sister-in-Law	Yes	Yes
River Works							
1928							
2	Dec.	24	Anna M. Shea.....	19	Aunt	Yes	Yes
3	Dec.	28	Thomas D. Parry.....	36	Sister	Yes	Yes
1929							
8	Jan.	6	Martha Cosgrove.....	27	Mother	...	Yes
14	Jan.	22	Charles A. Corson.....	42	Wife	Yes	Yes
West Lynn Works							
1928							
18	Dec.	17	Clarence E. Mack.....	40	Children	Yes	Yes
Pittsfield Works							
1928							
24	Oct.	26	Patrick S. Manning.....	61	Estate	Yes	Yes
2	Dec.	21	Robert W. Kennedy.....	40	Pending	...	Yes
22	Dec.	27	Robert Gould.....	51	Wife	Yes	Yes
12	Dec.	27	Wallace L. Goodrich.....	58	Daughter	Yes	Yes
16	Dec.	30	William E. Murgitroyd.....	62	Wife	Yes	Yes
1929							
9	Jan.	5	Carl E. Butler.....	42	Wife	Yes	Yes
17	Jan.	7	Newton Knickerbocker.....	55	Wife	Yes	Yes
14	Jan.	9	Joseph P. Vincent.....	57	Daughter	Yes	Yes
Erie Works							
5	Jan.	2	Annamae Dunford.....	22	Mother	Yes	Yes
1	Jan.	5	Kenneth A. Gifford.....	19	Brother	Yes	Yes
13	Jan.	22	Henry Cebulski.....	61	Estate	Yes	Yes
Fort Wayne Works							
1928							
13	Dec.	18	Henry F. Nahrwold.....	51	Wife	Yes	Yes
1929							
4	Jan.	6	Lucille Stephenson.....	27	Husband	Yes	...
Bloomfield Works							
1928							
22	Dec.	23	Henry Wilks.....	71	Wife	Yes	Yes
Bridgeport Works							
1929							
8	Jan.	10	William H. R. DuBois.....	66	Wife	Yes	Yes
York Insulated Wire Works							
1929							
1	Jan.	2	David E. Schroeder.....	22	Mother	Yes	Yes
General and District Offices—Schenectady							
1928							
3	Dec.	12	Josie Mackloski.....	41	Children	Yes	Yes
Chicago Office							
1928							
17	Dec.	9	William H. Holmes.....	34	Wife	Yes	Yes
8	Dec.	29	Joseph Molter.....	47	Wife	Yes	Yes
20	Dec.	31	Ernest J. Nicholson.....	55	Wife	Yes	Yes
Elizabeth Foundry Co.							
1928							
3	Dec.	27	Constant Golk.....	38	Wife	Yes	Yes
1929							
8	Jan.	11	Leon Jurkowski.....	48	Wife	Yes	Yes

(Continued on page 12)

Why We Stay Home When We Do

Illness Beats Even Accidents As A Cause For Lost Time

By H. W. GARTON, Ft. Wayne Works Physician



THE conservation of "man-power" is today recognized as one of the major problems of industry. If foremen, superintendents and other department heads could know in advance that there would be no absences in their departments for the coming year, one of their chief obstacles to smooth and efficient operation would be eliminated. For absence means loss both to the employee and to industry.

In recent years a tremendous drive has been under way for the promotion of Safety—in industry, on the streets, in the home. This has been a noteworthy undertaking, and much has been accomplished. The secret of its results has been its success in developing a "Safety conscience" in the individual; in making each individual feel that he has a part in the game of accident prevention, that it is a part of his job to work safely.

But in analyzing causes of absence from work, it is found that accidents do not lead the list. In fact, when compared with sickness as a cause of lost time, accidents run a decidedly poor second both in number and in amount of lost time caused. If we knew the kinds of sickness responsible for most of the lost time in industry we would have a basis for attempting to combat them. A number of studies along this line have been made, and one of the most complete was that made in a Boston industry over a five-year period.

This Boston company made a very careful check of all absences for this five-year period, computing

the total number of cases, the number of days lost from various causes, and the cost in relief payments. We cannot go into the finer details, but a bird's-eye view of the situation may be given. The average number of employees for the period was approximately 2,200 with an average turnover of about twenty per cent.

Causes of Disability	No. Cases	Total Working Days Lost	Av. Cost per Employee
Sickness.....	14,280	83,280	\$24.80
Accidents.....	774	13,221	26.30
Home Accidents.....	448	3,377	1.00
Total.....	15,502	99,878	\$28.50

The cost per employee was based only on salaries and benefits paid; other items, such as medical and hospital care, are not included. The table shows very forcibly the preponderance of sickness over accidents as a cost of lost time. Note that the total time lost for the five-year period was 99,878 days—about 273 years; or about 55 years of lost time during each working year. This is equivalent to the average man's life span. Note also that the costs for benefits is not the average cost per sick or injured case, but the *average per employee*, which includes those who received no benefits as well as those who did.

What types of sickness were responsible, in this survey, for the most lost time? The following table shows the six diseases causing the most absence and the number of cases of each, in the order of frequency:

Common colds.....	5,328
Diseases of stomach.....	1,246
Pharyngitis and tonsillitis.....	1,007
Functional nervous diseases....	731
Dysmenorrhoea (menstrual disturbances).....	683
Rheumatism, arthritis and gout	651
Total (all diseases).....	14,280

A striking fact is that our old friend "common cold" is responsible for considerably more than half the total number of cases represented by these six groups, and for about one-third the total number of cases for *all diseases*! If we add to this Group 3 (pharyngitis and tonsillitis), and the acute contagious diseases, bronchitis, influenza, etc., which are not given in this list, the importance of respiratory diseases as a cause of lost time becomes quite evident.

Just as success in accident prevention has been accomplished by education of the individual along safety lines, so must the amount of sickness be reduced primarily by promoting personal health and hygiene. This presupposes that the individual must have a practical knowledge of the human body, of diet and exercise, of what diseases can be prevented and how. In other words, the business of keeping well is as important a function as seeing the doctor when you are sick.

Respiratory diseases have been discussed in previous articles; in the future some of the other diseases which are common causes of absence in industry will be discussed.

Death Claims Paid During January

(Continued from page 11)

Incandescent Lamp Dept.

1928					
11	Nov. 2	Elizabeth Merker.....	28	Mother	Yes ...
5	July 15	Caroline Kubisiak.....	56	Sister	Yes ...
1929					
10	Jan. 11	Emily Maloof.....	43	Mother	Yes ...
2	Jan. 3	George Little.....	46	Wife	Yes ...
Free Insurance					
		No.	Amount	Additional Insurance	
Claims paid month of January, 1929.....		43	\$45,519.91	41	\$53,500
Total claims paid since November 16, 1925				\$2,527,514.26	

GIRLS' SECTION

Federation Banquet Outstanding Affair

ON February 11th, the annual Federation banquet, in which all the industrial clubs participate, was held in the Chamber of Commerce building. Six clubs were represented: Elex, Dudlo, Gymnit, Busy Bees, Silko and Mabel Whitbeck. The Elex club, as usual, had the largest delegation, requiring two long tables to seat its members, and constituted about one-third of the 325 girls who were present. We had as guests: Mr. and Mrs. E. A. Barnes, Mr. and Mrs. W. J. Hockett, Mr. and Mrs. C. H. Matson, Mr. and Mrs. E. J. Graham, Mrs. Harry Hogan and Mrs. Walter Kent.

Each club had decorated its own table, that of the Elex Club being taken care of by the South Side Floral Company, who did a mighty fine job. Trailing southern smilax formed a centerpiece the whole length of the table; at intervals tall yellow tapers shed a soft light upon the smiling faces near them. In the center of the table was an electric sign probably 8 inches by 15 inches featuring the word *Elex* with tiny flashlight bulbs, surrounded at the base with roses, jonquils and vines. It was very unusual, and attracted a great deal of attention. At each girl's place was a lovely little bouquet to be worn on the wrist. It was indeed a pretty sight, six long tables surrounded by pretty girls dressed in the most colorful of costumes, pretty flowers all around, smiles and laughter, and a spirit of good fellowship that permeated the entire room.

While the excellent dinner was in progress, the clubs vied with each other in presenting songs and yells in tribute to their clubs and guests. The Elex girls evidently made a good impression in this particular as several people remarked that the songs were well done and sounded fine.

The program for the evening consisted mainly of talks by representatives of the Y.W.C.A. and

of the various manufacturing industries, but other features were readings by Miss Inge Leine, of the European School of Music, vocal selections by Mrs. J. C. Young, a short talk by Irene Meyers on her viewpoint, "Brighten the Corner Where You Are," and a talk on summer school by Grace Stinson. Following this several clubs put on stunts. Elex Club's contribution was the style show (with some alterations) which proved such a success a few weeks ago at our Plant. Elida Fries also sang a few numbers in old-fashioned costume.

At the close of the stunts the entire group sang "Follow the Glean" and the evening was pronounced complete.

Another feature of the past month was the Valentine Dance given by the Elex club in the gymnasium on February 9th. Although the turn-out for this affair was a little disappointing, those who did attend enjoyed a good time dancing to the excellent music furnished by the G-E Club orchestra.

Thirty-seven girls were present at the regular club meeting held on February 20th in Bldg. 16-2, and were highly entertained by a little playlet entitled "In These Days of Indigestion," in which the characters were Esther Moll, as the doctor, and Irene Meyers as the patient. Nothing more need be said, as we all know the ability of these girls to portray most anything. Other features of the program also

made a big hit: Harold Bowker sang a collection of old favorites, "My Wild Irish Rose," "Carry Me Back to Old Virginny," "Smilin' Through" and "The Old Refrain," accompanied by Mrs. Simers. And Marie Blough gave a reading in Italian costume "Humpty Jeem" that was exceedingly well done. The club has been putting on good programs at these Wednesday night meetings and all members are urged to be present if they want to enjoy a good time. Supper in the cafeteria at 5:30 for 25 cents, followed by a program or business meeting, and then classes or dancing to the music of the new orthophonic Victrola.

The February 27th meeting was held with the Federation at the Y.W.C.A.

Meter Department Employee Honored With Shower

MRS. Naomi Bermis, formerly Miss Naomi Snodgrass, Meter Dept., Bldg. 26-4, was surprised with a kitchen shower, February 6th. The party was held at the home of Mrs. Fontaine Buckmaster, at 1340 Greene St., and the guests were the co-workers of Mrs. Bermis in the Meter Dept. The guests played progressive bunco, prizes being won by Addie Stevenson and Dorothy Rebber. Later in the evening a luncheon was served.

Present besides the honor guest and hostess were: Alice Alspaugh, Clara Henry, Dorothy Rebber, Mary Smith, Adele Kuckuck, Cecil Linker, Marcella Hobrock, Agnes Ryan, Edith Holle, Addie Stevenson, Lydia Plummer, Myron Connor, Mr. Bermis and Mr. Buckmaster.

Mrs. Lillian Garrihan Entertains

ON February 14th, Mrs. Lillian Garrihan, Radio Dept., Bldg. 26-2, entertained a group of her co-workers at a Valentine party at her home at 1317 Lindley Ave. The girls sang songs and enjoyed a gen-

(Continued on next page)

Spring Song

*Do you smell the coming of spring in the breeze,
The strange, sweet tang of the upturned soil,
The fragrance distilled from the budding trees
While grass grows greener and ferns uncoil?
Can you think of anything nicer to smell
Than little brown buds just beginning to swell?*

*Do you feel the coming of spring in your heart?
The ancient call of the wakening earth
To come out in the open and have your part
In the wondrous rapture of her rebirth?
What tonic the care-fretted spirit restores
Like sunny spring days in the great out-of-doors?*

—E. M. HURLL.

A New Series of Charming Patterns



Slender Morning Dress

A straightline slender morning or sports dress varied by inverted plaits at either side of front below patch pockets. Belt slips through bound opening under front, to give a panel effect, and holds the garment closely to the figure at sides and back. The shawl collar terminating at waistline with three huge buttons that secures a tight hipline, makes it very attractive to the woman with a mature figure. Style No. 3489 is designed in sizes 16, 18 years, 36, 38, 40, 42, 44 and 46 inches bust measure. It is sketched in lovely patterned wool jersey. Plain wool jersey, homespun, tweed, silk crepe or wool repps also popular fabrics to select. Size 36 requires 7½ yards of 40-inch material with ¾ yard of 36-inch contrasting. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

Simple Daytime Dress

A modernistic silk crepe is featured in a truly smart dress, with trend toward modern lines. The deep pointed cuffs, belt and necklinebow, choose plain harmonizing crepe. It achieves flat hipline through long-waisted bodice with dip-in-the-front. The back is trim and slender, with circular fullness at front, that sways gracefully when one moves. It has darts at each under arm to provide extra fullness across bust. It's easily made in two hours. Try it. Style No. 2638 is designed in sizes 16, 18 years, 36, 38, 40 and 42 inches bust measure. It is charmingly feminine in flowered chiffon, tomato red silk crepe, Lelong blue canton-faille crepe and chartreuse green flat silk crepe. Mid-night blue silk crepe and sheer woolen in soft brown tones are interesting ideas for semi-sports wear. Size 36 requires 3 yards of 40-inch material with ¾ yard of 36-inch contrasting and 3½ yards of binding. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

We suggest that when you send for this pattern you enclose 10 cents additional for a copy of our Spring Fashion Magazine. It's just filled with delightful styles, including smart ensembles, and cute designs for the kiddies.

Send orders to Illustrated Fashion Features, Inc., Fifth Ave. and 29th St., New York City.

Mrs. Garrihan Entertains

(Continued from previous page)

eral social time. Later in the evening a delicious luncheon was served.

Present besides the hostess were: Velma Schott, Mary Owen, Gladys Cress, Agnes Clay, Suzanna Kiefer, Lucile Ream, Amy Mosier and Gladys Siples.

Weddings

Kern-Short

DORA Short, Fractional Hp. Motor Engineering Office, Bldg. 18-4, and Harold Kern were united in marriage Sunday morning, February 24th. Rev. C. W. Baer performed the ceremony in the parsonage of the Redeemer English Lutheran Church. Miss Victoria Gick, a cousin of the bride, and Victor Kern, a cousin of the bridegroom, were the attendants. Following the ceremony a wedding dinner was served at the home of the bride's parents, Mr. and Mrs. E. T. Short, of 1208 Columbia Ave. The groom is the son of Mr. and Mrs. Anthony B. Kern, of 232 E. Wildwood Ave. Later in the afternoon Mr. and Mrs. Kern left for Monroe, Michigan, where Mr. Kern has a position with the Kierdon Jewelry Company.

Every Little Bit Counts

THE discussion of wastes and their prevention has been worn threadbare, but like the ever necessary notices against smoking in prohibited locations of the shop, the need for preventing waste must be constantly brought to the front. Matters which are thought too small to bother with amount to thousands of dollars in the course of a year. Wasted lubricating oil, rags, electric light bulbs, emery cloth, gloves, solder and many other supply items amount to staggering sums in a short while.

Likewise, many forget the value of the more expensive things they work with. Many are astonished when they are told the cost of some of our test instruments that are frequently disabled through

carelessness. Voltmeters and ammeters and other test instruments are expensive and should be given careful attention by those handling them. These articles, some of which cost hundreds of dollars, are all too frequently being put out of commission by thoughtlessness. And the repair bill is a constant drain on the Company. The investment in instruments represented by a common test set-up, which may be damaged by one careless move, averages several hundred dollars.

Another source of loss is the tendency to accumulate inactive raw and scrap material around us.

It's All in the Game

*I can't expect Luck to be coming my way,
In ALL of the games that I happen to play.
So, if now and then, I must forfeit a trick,
Though badly I need it, I oughtn't to kick—*

For that is just part of the game!

*And whoever played in a game that was FUN,
That called for small effort, that it might be won?*

*My Victory can never—no, never—be sweet,
Unless I have snatched it away from defeat!*

The fight's the best part of the game!

*And who is it wants to be always in luck,
Relying on Fortune instead of on pluck?*

*And who is it wants to go smiling thru Life,
Unable to say he has weathered the strife—*

Unable to prove he was game?

*And though I may win, or be last in the race,
May I never cringe at the troubles I face!*

And when I have finished, may honest men write:

*"In winning or losing, he fought a good fight,
From the start to the end of the Game!"*

CHARLES S. KINNISON.

JUNIORS' PAGE

Dear G-E Juniors:

March, with her windy days and some sunshiny days too, is here. No doubt some of you have been out looking for pussy willows and have found them with their soft furry jackets on. Then, too, Easter will soon be here as it comes March 31st. I know that all of you like Easter and I expect you will have a lot of fun having Easter-egg hunts. So that is what we have for our puzzle this month. Hidden among the grass and leaves in the picture are twelve Easter eggs, and each egg has a letter painted on it. When you have found all of the eggs, arrange them so that the letters spell two words and you will find out who hid the eggs.

Last month I did not receive as many letters as usual, but then I suspect most of you are pretty busy doing your "home work" and helping your mothers. I am glad to tell you that every solution I received was correct. "Washington's Birthday" is the correct answer to the February puzzle. Prizes were sent to Letha Click, Maxine D. Brand, Donald Kaiser, Victoria Wesling and Betty Lee Wilson, of Fort Wayne, and Sephus and Catherine Jackson, of Decatur. Besides these I received nice letters from Dorothy Wyss, Eugene Wyss, Richard Rondot, Germaine Rondot, Albert Devaux, Elmar Devaux, Dorothy Gebhart, Ruth Swank, Dorothy Dean Long, Berniece Moore, Dorothy Eylenberg and Dorothea Prange at Fort Wayne, and Dorothy Miller and Catherine Murphy from Decatur.

I also received letters and solutions to the January puzzle from Ruth Swank and Dorothy Gephart at Fort Wayne, and Kenneth Nyfeler at Decatur, but they came in too late for us to publish their names in the February WORKS NEWS.

All of your letters are so interesting and I do enjoy reading them so much. Catherine Jackson's birthday was February 5th and Doro-

thea Prange celebrated her birthday February 9th. Betty Lee Wilson's birthday will come in March. Dorothy Dean Long and her little sister who is five years' old will celebrate their birthdays on the same day and that will be June 16th. Ruth Swank wrote me that Reba Ray, one of our G-E Juniors, was very sick with the "flu." I hope she is much better or maybe quite well by this time. Dorothy Gephart sent me a poem about "Mount Vernon's Bells." Thank you, Dorothy, I enjoyed reading it.

Now that spring will soon be here I know that all of you G-E Juniors are anxiously watching for the little green blades of grass and listening for the songs of happy spring birds. I hope that everyone of you will write to me this month and tell me of the first signs of spring that you have noticed.

Yours sincerely,

Jill

How the Princess Learned to be Considerate

ONCE upon a time very many years ago there lived a little Princess who was just about to have a birthday. She was just seven years and eleven months old, and she could hardly wait for her eighth birthday to arrive, so that she might see what she had been given for a birthday present.

She wanted all sorts of things for her birthday present. She thought it would be wonderful to have a great big girl doll that had eyes which closed when you put it into its cradle and that squeaked when you punched it in the stomach. She also thought it would be wonderful to have a whole box full of hair ribbons, each of a different color. She also thought it would be best of all if she should be given a fat, dappled pony and a little cart, in which she might go out riding on pleasant afternoons. Princesses, you see, are just like other little girls and like the same kind of things that other little girls like. The only difference is that they are more apt to get them.

Then one day, just before her birthday, she got sore at her little brother the Prince, aged three, and boxed him on the ears. The little Prince ran bellowing to his mother, the Queen.

"What have you done?" asked the Queen of the Princess.

"I have boxed my little brother's ears," said the Princess, defiantly. "because he annoyed me."

"Then you can't have a birthday present," said the Queen.

At this the disappointed Princess cried and cried. So finally the Queen said: "Well, if you promise always to be good and never to box your little brother's ears I will give you your birthday presents after all. Come into the other room and see the things I have bought for you." This was the way the Princess learned that she should always be considerate of other people's feelings. And when she grew up she was the kindest and most considerate Queen the people had ever known.



Athletics

All Bouts Went the Limit

THE contestants in the final go in the boxing bouts at the G-E Club on February 22nd were disappointingly slow in getting into action but the fight did real well after Louie Lavelle, of Anderson, got warmed up to fighting pitch. He had wasted too much valuable time, however, and Frankie Palmo, the boy from Cincinnati, had the honors already safely tucked away. All of the real action came in the last three rounds, but although the fighters jarred each other considerably there were no knockdowns in the scrap.

Moan Baumgartner had the best of Buddy Lee, of Cincinnati, throughout their scrap. Although Lee took some hard ones from Baumgartner's long left, he stayed the limit of the rounds.

Harvey Lees, the local boy, staged a comeback to win his bout from Geo. Liddy, of Cincinnati, after Liddy had handled him severely in the opening rounds. Both of these fighters spent a short time on the canvas but were up before the count grew dangerous. In the last of the sixth round Liddy went through the ropes and was counted out, but the referee reconsidered when Liddy's manager contended that he had been pushed rather than knocked through the ropes and the round continued to the end.

The opener was six rounds between Ockie Sarazen and Tommy O'Connell in which Sarazen had the best of the argument until the final two rounds, when O'Connell showed to better advantage.

Charlie Maxwell, of Lima, refereed the bouts and Charlie Carr was the official announcer.

G-E Club Five Nearing End of Schedule

THE G-E Club five is nearing the end of one of the hardest schedules ever faced by a local team. There are few teams in the country that have played week after

week the high-class teams that have appeared on the local floor. The G-E five has broken even so far this season winning 12 of the 24 games played. Nine of these games were played on foreign floors and 6 of the 12 games lost were road games.

To select the best club that has appeared here this season would be a rather difficult task. Campbell made Olson's Swedes one of the strongest offensive teams and a hard one to beat by any club. The Firestones seemed to be handicapped more than helped by Shoun and with a driving center would win from the best. The Toledo Red Men had a smooth-playing organization, lacking only height to rate them among the leaders. The Flint Buicks are a strong team on both offense and defense but lack finish to put them in a class with the leaders. The Sandusky Reds would be among the first but were not able to show at their best due to the absence of Taylor, their star center. Well, that's that.

Weather conditions will determine more or less the number of games still to be played. Olson's original Nordics is the only game now booked but negotiations are

under way to bring here the Morgantown team which recently won the state independent championship. The Huntington American Legion team may also be booked to close the season.

Myers is leading the G-E club scorers with a total of 205 points from 72 baskets and 61 free throws in 24 games. Herbst is second with 111 points from 45 baskets and 21 free throws. The individual scoring of the players follows:

	g	fg	ft	p.c.	total	pf
Myers	24	72	61-102	58.5	205	49
Herbst	23	45	21-29	72.5	111	32
Belot	23	41	15-29	51.5	97	54
Holmes	23	26	31-49	63.0	83	47
Spahr	23	23	11-37	29.5	57	20
Hamilton	21	17	9-12	75.0	43	17
Wisner	4	5	0-1	00.0	10	3
Hueber	4	0	1-3	33.3	1	2

G-E Club 26—Huntington 32

The G-E club helped the newly formed Huntington American Legion five off to a good start by losing to the ex-soldiers by a score of 26 to 32 on the Legion's floor. The Huntington five piled up a six-point lead in the first half to win as the scoring was even the second half. Mendenhall, coach of Central high school, kept the Legion in the running by scoring four baskets in the second half. Myers led the G-E five in scoring with three baskets and a like number of free throws. Herbst counted three baskets.

G-E Club 25—Toledo Red Men 34

The Red Man Tobacco five, flashed one of the best offensives seen on the local floor this season and easily defeated the G-E team 34 to 25. The locals played a good game against the Toledo five, but were up against a club just a little bit better than themselves. The guards of the Red Men did the scoring, Koehler getting four baskets and Apple three and four free throws. Myers scored five baskets, four of them coming in the second half. The ability of the lanky Cunningham to get the tap helped the Toledo five considerably.

G-E Club 19—Flint Buicks 20

The G-E five worked hard to even the count with the Flint Buicks on the auto makers' own floor, but fell one point short. Johnny Miner was the thorn in the side of the G-E team, scoring four baskets in the first period and one in the second. The G-E five outplayed the Buicks during the last period and scored 11 points to the Flint teams' 9. Holmes was not in the line-up and Myers was forced to work at guard which reduced his effectiveness. The famous "Kike" Cuyler refereed the game.

G-E Club 23—Rochester Oldsmobiles 16

The G-E five broke away from its losing streak to chalk up a win at the expense of the famous Rochester Oldsmobiles. The locals piled up a five-point

**A GOOD
OLD WORLD
FOR THE MAN
WHO WORKS
SAFELY**



lead in the first period which was sufficient to win the game. The Rochester team's ability to make free throws kept them in the running, 7 of their 19 points being made from the charity lane. Herbst scored three baskets, Holmes two and Belot two.

G-E Club 22—Olson's Terrible Swedes 31

Olson's Terrible Swedes, from Kansas, out where the tall corn grows, took things easy to give the G-E five a 31 to 22 beating. The proverbial tall corn has a rival in Clint Campbell, the giant center of the Swedes. The team from way out west in Kansas built their offense and defense around Campbell. There was no use trying to get the ball away from the giant and no team can score baskets if it doesn't have the ball. The Swedes have a great team but with a center of reasonable proportions would have to work harder than they did to win many ball games. The Swedes proved popular with the fans, and their conduct on the floor was exceptionally sportsmanlike

G-E Club 34—Culver 26

The G-E club journeyed to Culver to defeat the Culver Independents in a well-played game by the score of 34 to 26. The scoring of the G-E five was done chiefly by Belot and Spahr, the former counting ten points from five baskets and the latter nine from four baskets and a free throw. The Culver five had a forward by the name of Milliser who caused the G-E team plenty of grief. This gentleman counted eight baskets. Last year Milliser also threw a scare into the G-E camp by his consistent scoring. Myers scored three baskets and Herbst two.

G-E Club 32—Sandusky Big Reds 30

The G-E five won one of the hardest fought games on the local court over the Sandusky Ohio Big Reds by the score of 32 to 30. The game was not such a fine exhibition of basketball, the passing of both teams being ragged, but it was fast and chuck full of action. The contest was very clean, 7 fouls being called on the locals and 3 on the visitors. The Ohio five was handicapped by the absence of Taylor, their giant center. Belot was leading scorer for the G-E club with five baskets. Herbst got four in the second half.

G-E Club 28—Akron Firestones 34

The Akron Firestones, composed of the cream of Indiana's college stars of the past several years, plus "Slim" Shoun, the 6-foot 11 center, formerly of the Hoosiers and Chicago Bruins, added another defeat to the record of the G-E five. The Akron team composed of Johnny Nyikos, Hal Griggs, Ray Burris and Johnny O'Neil would make most any team in the country a real opponent. For three-quarters of the game the tire-makers had things pretty much their own way, but the G-E five started a rally that pulled them to within four points of the non-skids. The latter added

two points on free throws as the siren ended the rally. Myers was held scoreless during the first period, but sank two in the second half. Wisner and Hamilton divided scoring honors with three baskets each.

G-E Mazdas Make Good Showing In State Independent Meet

The G-E Mazdas, our standard bearers this year in the state independent basketball tourney, did well, winning the district meet held at Roanoke and winning their first game at Indianapolis, but losing to the Yorktown quintet in their second contest.

In the opening round the locals won their first contest from International Motors, 32 to 20. Holmes sank six baskets, Slack three, Virgil two and Gamee two. In the second game the Mazdas had things rather easy with the Wayne E. V. and won 34 to 13. Slack scored five baskets, Virgil three, Holmes two and Nobles one. In the semi-finals the locals defeated the Coesse Celts 35 to 25. Nobles carried away the scoring honors with 15 points to his credit. Virgil and Slack contributed six each and Steele and Gamee each two points. In the finals the Mazdas easily defeated the Roanoke Flying Five, 37 to 21. Virgil and Holmes divided scoring honors with ten points each. Slack was not far behind with seven. Nobles accounted for five points and Steele three.

In the State meet at Indianapolis the Mazdas got off to a good start by winning their first contest from Anderson by the score of 38 to 27. Virgil led the scoring for the locals with six field goals and two free throws for fourteen points. Nobles got four baskets and a free throw, and Slack contributed four baskets. Steele followed with three. Holmes, who had played sensational ball throughout the meet, had to be satisfied with one free throw. In the second

round the locals were eliminated from further competition by dropping their closest game of the tournament to the Yorktown five in a hard-fought battle by the score of 27 to 24. The Morgantown team finally won the meet by defeating the well-known Straus Says five of Indianapolis 34 to 31 in a double overtime contest.

As we go to press the Mazdas meet the International Motors in the first game of a series to determine the champions of the Y.M.C.A. Industrial league. The International team won the championship of the first half and the Mazdas came back strong to finish ahead in the second half. This game will be the first of a three-game series to be played at the Northside high school.

Inter-department Basketball League

Small Motor, with nine straight victories, tops the list in the inter-department basketball league for the first half of the season. The Apprentice five is second with but one loss during this round. The standing of the teams at the end of the first round follows:

	Won	Lost	Pct.
Small Motor	9	0	1.000
Apprentice	8	1	.889
Transformer	7	2	.778
Winter Street	6	3	.667
Apparatus	5	4	.556
Payroll and Acctg. ...	3	6	.333
G-E Squares	2	7	.222
Meter	2	7	.222
Wire and Insulation ..	2	7	.222
Frac. Motors	1	8	.111

Crary, of the G-E Squares, led the league in scoring for the first round with 30 field goals and 10 free throws for a total of 70 points for 8 games. The individual scoring of the players follows:

	g	fg	ft	T't'l
Crary, G-E Squares.....	8	30	10	70
Souers, Small Motor.....	8	32	4	68
Kibiger, Winter Street	9	24	16	64
Koch, Payroll & Acctg.	8	24	13	61
Farrell, Apprentice	8	24	9	57
Kern, Transformer	5	24	6	54
Garton, Meter	7	22	9	53
Stephenson, Winter Street....	9	23	6	52
Feustal, Small Motor	7	20	10	50
Berghorn, Apparatus	9	16	17	49

Inter-department Volleyball League

To start off the third round of the Inter-department volleyball league, Small Motor won all six of its first games for first place. The Winter Street team also has a perfect record, but have played only three games. The standing of the league follows:

	Won	Lost	Pct.
Small Motor	6	0	1.000
Winter Street	3	0	1.000
Frac. Motors	3	3	.500
G-E Squares	2	4	.333
Main Office	1	2	.333
Meter	0	6	.000

G-E Girls Add Five Games to Their String of Victories

G-E Girls 38—Live Wyers 17

The G-E girls again triumphed in another league contest, this time tromping Y.W.C.A. floor. Reidenbach led the scoring for the G-E lassies with 7 counters from the floor. LaVera Vail sent 6 through the ropes and Dirr, 3. Smith



the Live Wyers 38 to 17 on the was leading scorer for the Wyers with 7 baskets and one free throw.

G-E Girls 39—Sears Roebuck 9

The G-E sharp shooters gave the girls from Sears Roebuck a few lessons in basket shooting and ran up a total of 39 points to the Mail Order girls' 9. The G-E five were without the services of Reidenbach and all of the G-E girls took turns at hitting the net. Wohlford counted 6 times, Dirr 5, Scott 3, DeArmitt 2 and Vail 2. Talgaman got 3 baskets for the Sears Roebuck tossers and Redding 1.

G-E Girls 29—Wayne 26

The G-E girls met their old rivals, the Wayne Knit girls, and succeeded in carrying away the long end of the count in the closest game of the season. This game was played as a preliminary to the G-E club-Rochester Oldsmobile game, and had the large crowd on edge throughout. Reidenbach's ability to hit the net kept the G-E lassies out in front. The little forward counted five baskets. Vail contributed four two-pointers and Wohlford three. Scott got two baskets. Stuckman carried the burden for the knits with five baskets and six free throws for scoring honors of the evening.

G-E Girls 39—International College 10

The International College team did not put up much of a battle against the fair tossers of the G-E and the club girls won a rather one-sided victory. The aces of the G-E scorers fattened up their totals in this game, Reidenbach scoring 8 buckets and one from the charity lane. Wohlford counted six double counters and Scott three. Dirr added one basket to the total.

G-E Girls 25—Wayne Knit 13

The G-E girls proved their other win over the Wayne Knits was no fluke by trouncing the sock makers in a league game on the Y.W.C.A. floor by the score of 25 to 13. The Knitters were unable to silence the G-E guns and Reidenbach counted four times during the evening's pastime. Wohlford equaled the diminutive forwards' performance and Scott counted a brace of double counters. The troublesome Stuckman was kept pretty well covered by the G-E guards and did not get her usual total.

Results of Fifth Annual Industrial Bowling Tournament

The fifth annual city industrial bowling tournament has just been concluded on the alleys in the G-E Club Recreation Building. A total of 38 five-men teams participated, 71 doubles teams and 72 class B singles, and 64 class A singles, class B singles, and 64 class A singles. The final results are as follows:

FIVE MEN EVENT	
Wayne Home & Equipment Co.....	2810
Wayne Knit No. 1.....	2806
Armature, G-E.....	2745
Meter Dept., G-E.....	2725
International Motor.....	2716



G-E CLUB GIRLS' BASKETBALL TEAM

Left to right—Back row: Esther Moll, (Mgr.), LaVera Vail, Ruth Wohlford, Tressie Singrey, Harry Spahr, coach; Front row: Barbara Dirr, Anne Scott, Lela Reidenbach, Kathryn De Armitt, Helen Fletcher.

HIGH TEAM SCORE—ONE GAME	
Wayne Home & Equipment Co.....	982

DOUBLES	
Auer-Allen, G-E.....	1197
Rapp-Tobias, G-E.....	1181
Harwood-Zurcher, G-E.....	1179
Enders-Bryan, G-E.....	1145
Dellinger-Heider, W.G.....	1141

CLASS A SINGLES	
E. Harkenrider, G-E.....	668
W. Doehrman, G-E.....	1849
E. Heider, W.G.....	639
C. Morton, H. T. Co.....	633
W. Ruchel, W. K. M.....	625

CLASS B SINGLES	
Van Horn, I. H. Co.....	583
C. Rose, G-E.....	582
Rapp, G-E.....	577
Lindeman, G-E.....	576
Schelper, G-E.....	571

CLASS A—ALL EVENTS	
E. Harkenrider, G-E.....	1943
W. Doehrman, G-E.....	1849
C. Morton, H. T. Co.....	1830
Zurcher, G-E.....	1784
Buuck, G-E.....	1754

CLASS B—ALL EVENTS	
F. Rapp, G-E.....	1698
Schelper, G-E.....	1688
Hueber, G-E.....	1672
Walda, G-E.....	1652
Lindeman, G-E.....	1647

State Woman's Bowling Tournament To be Held on G-E Club Alleys

The women bowlers of the state will match their skill on the G-E club alleys in a tournament to start April 13th. The G-E club pin spillers which made such an excellent showing in the Ohio tournament, and whose picture appears elsewhere in this issue, is expected to do equally as well, possibly better on their home alleys.

Meter Department League

Team	W	L	P.C.	Ave.
Magnets	5	1	833	826
Covers	4	2	667	839
Seals	4	2	667	778
Jewels	3	3	500	811
Gears	3	3	500	808

	W	L	P.C.	Ave.
Elements	3	3	500	793
Discs	3	3	500	785
Pivots	3	3	500	780
Registers	3	3	500	775
Bases	2	4	333	774
Leads	2	4	333	750
Terminals	1	5	167	770

INDIVIDUAL AVERAGES			
C. Rump....	63	179	Allen 33 177
Lawrence ..	66	179	Bushing 69 175
Weick	69	179	V. Rump..... 72 175
Erne	69	179	Timme 72 175
Voorhees ...	63	177	Hueber 66 174

HIGH INDIVIDUAL SCORE			
One Game	Three Games		
Schwartz	232	C. Rump.....	619
Luessenhop ...	223	Lawrence	611
Lawrence	221	Schwartz	598

HIGH TEAM SCORE			
One Game	Three Games		
Covers	997	Covers	2641
Gears	896	Magnets	2506
Magnets	881	Jewels	2492

Inter-department League

Team	W	L	P.C.	Ave.
Meter	6	0	1000	938
Transformer	5	1	833	936
Small Motor	3	3	500	878
General Service	2	4	333	889
Wire & Insulation.....	2	4	333	869
Apparatus	0	6	000	897

INDIVIDUAL AVERAGES			
Doehrman ..	12	193	E. Kammer 45 187
Harkenrider	39	192	Auer 45 187
Zurcher ...	48	191	Knoll 45 186
Adamske ...	45	191	Bryan 45 186
Quinn	45	188	Finseidel ... 24 184

HIGH INDIVIDUAL SCORE			
One Game	Three Games		
Quinn	257	Harkenrider	645

HIGH TEAM SCORE			
One Game	Three Games		
Meter	2936	Meter	1047

Office League—Third Round

Team	W	L	P.C.	Ave.
Apparatus Cost.....	3	0	1000	835
Small Motor Engrs....	3	0	1000	731
Indus. Service.....	2	1	667	822



G-E CLUB GIRLS' BOWLING TEAM

Left to right—Standing: Irma Lackey, Luella Klingenberg; Sitting: Celeste Etzler, Anita Rump, Millie Ruby.

Team	W	L	P.C.	Ave.
Plant Construction	2	1	667	800
D-c. Drafting	2	1	667	761
Warehouse	1	2	333	795
Material List	1	2	333	770
D-c. Apparatus	1	2	333	763
A-c. Drafting	0	3	000	730
Distribution	0	3	000	626

INDIVIDUAL AVERAGES				
M. Bryan	3	203	Plaisted	3 175
Einseidel	3	184	E. W'dschmidt	3 175
Bower	3	183	Engleman	3 174
Witte	3	183	Reese	3 173
Art Ulmer	3	175	Enders	3 170

HIGH INDIVIDUAL SCORE			
One Game	Three Games		
Bryan	232	Bryan	609
Bower	213	Einseidel	554
Art Ulmer	211	Bower	551
Schultz	211		

HIGH TEAM SCORE			
One Game	Three Games		
Apparatus Cost	900	Warehouse	2513
Material List	887	Apparatus Cost	2504
Warehouse	851	Indus. Service	2465

Tool and Equipment League				
Team	W	L	P.C.	Ave.
Jigs & Fixtures	14	7	667	803
Special Tools	13	8	619	804
Tool Supervisors	13	8	619	800
Grinders	12	9	571	790
Machines	10	11	476	778
Dies	8	13	379	798
Special Machines	8	13	379	786
Punches	6	15	286	764

INDIVIDUAL AVERAGES				
Rehm	12	182	Knepple	63 174
Franke, W.	60	178	Daley	60 174
Gerdorn	57	178	Lenz	12 173
Lankenau	63	176	Dicke	57 170
Tennison	6	176	Franke, J.	51 170

HIGH INDIVIDUAL SCORE			
One Game	Three Games		
Beckman	263	Hayes	594
Lankenau	234	Knepple	590
Knepple	233	Daley	587
Walsh	233	Lankenau	587

HIGH TEAM SCORE			
One Game	Three Games		
Dies	912	Tool Supervisors	2601
Special Tools	897	Special Tools	2584
Tool Supervisors	888	Jigs & Fixtures	2574

Transformer League				
Team	W	L	P.C.	Ave.
Toys	14	7	667	807
Bells	12	9	571	789
Autos	12	9	571	786
Radios	10	11	476	773
Currents	9	12	429	755
Nitelites	6	15	286	753

INDIVIDUAL AVERAGES				
Cox	66	181	Orff	54 170
Tagtmeyer	66	180	Kronmiller	59 166
Cook	66	179	Fryback	66 163
Garihan	54	173	Schlatter	54 162
Long	48	172	Boutwell	60 162

HIGH INDIVIDUAL SCORE			
One Game	Three Games		
Fryback	237	Tagtmeyer	643
Tagtmeyer	233	Cox	618
Orff-Richey-Cox	232	Cook	611

HIGH TEAM SCORE			
One Game	Three Games		
Toys	945	Autos	2554
Autos	894	Toys	2503
Radios	878	Radios	2478

Foremen's League				
Team	W	L	P.C.	Ave.
Apparatus	11	4	733	731
Vitaphone	10	5	667	767
Transformer	9	6	600	756
Wire and Insul.	8	7	533	744
Small Motor	7	8	467	765
Refrigerator	6	9	400	747
Tool Supply	5	10	333	735
General Service	4	11	267	729

INDIVIDUAL AVERAGES				
Buuck	57	184	Foellinger	54 163
Korte	15	182	Siebold	45 160
Szink	57	166	Hoffman	48 159
Holloway	57	166	Starke	51 159
Grimme	49	164	Skevington	48 158

HIGH TEAM SCORE			
One Game	Three Games		
Refrigerator	869	Refrigerator	2489
Vitaphone	836	Vitaphone	2471
Tool Supply	829	Small Motor	2375

Small Motor League			
	Won	Lost	Pct.
RSO	20	7	742
RSS	18	9	666
DR3	18	9	666
SD	14	13	518
SDA	13	14	481
RSA	12	15	443
RKT	11	16	407
SA	11	16	407
DR1	9	18	333
DR2	8	19	296

INDIVIDUAL AVERAGES					
Quinn, F.	...	33	188	Michelfelder,	54 168
Tobias, M.	...	57	178	McKering ..	51 168
Renier	.....	39	174	Rose	60 168
Rapp	.....	48	170	Hatt	9 166
Nahrwold	..	60	169	Tobias, R...	48 165

HIGH INDIVIDUAL AVERAGES			
One Game	Three Games		
G. Nahrwold	253	Nahrwold	607
F. Gitter	239	Quinn	604
Guenther	224	Rapp	599
Straub			
Hatt			

HIGH TEAM SCORE			
One Game	Three Games		
RSS	789	RSS	2269
RSA	760	RSA	2171
SA	757	RSO	2170

Wire and Insulation League				
Team	W	L	P.C.	Ave.
Mica	16	8	667	763
Insulators	15	9	625	764
Paper	13	11	542	762
Rollers	4	20	167	708

INDIVIDUAL AVERAGES				
Haugh	33	187	Schultz	60 159
Buckles	54	170	Hendricks	42 153
DeWitt	60	167	Saaf	54 151
Glenn	57	160	Hire	33 145
Huffman	60	159	Hewes	57 144

HIGH INDIVIDUAL AVERAGES			
One Game	Three Games		
Hendricks	257	Haugh	644
Huffman	256	Buckles	606
Haugh	246	Huffman	588

HIGH TEAM SCORE			
One Game	Three Games		
Insulators	930	Mica	2454
		Insulators	2432

Girl's League				
Team	W	L	P.C.	Ave.
Industrial Service	12	3	800	636
Fire	11	4	733	599
Tool	11	4	733	597
Order	9	6	600	578
Meter	7	8	466	551
Small Motor	6	9	400	496
Refrigerator	4	11	267	531

INDIVIDUAL AVERAGES				
Rump	15	174	Fox	57 148
Lackey	57	171	Bleke	57 147
Klingenbe'ger	15	169	James	57 140
Ruby	12	169	Snyder	57 133
Preston	57	153	Rebber	54 129

HIGH TEAM SCORE			
One Game	Three Games		
James	245	Lackey	594
Lackey	223	Fox	568
Fox	220	James	550

HIGH TEAM SCORE			
One Game	Three Games		
Small Motor	734	Order	2090
Order	715	Small Motor	2064
Indus. Service	707	Indus. Service	2027



Strickler



Zwick



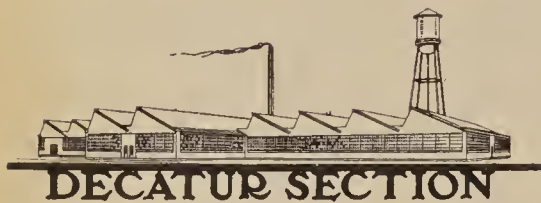
Bryan



Hill



Kleinknight



Hurst-Baumgartner

RUTH Baumgartner, Black Armature Dept., was married December 24, 1928, to Vernon Hurst, of Decatur. The wedding took place at Springfield, Ky., which accounts for keeping it so long a secret. The young couple are making their home with the groom's parents on Lanum Street.

Takes County Job

MILES Roop, inspector under Foreman C. C. Langston, has resigned and has accepted a position as deputy surveyor of Adams County. "Mots," as he is familiarly called by his friends, has achieved considerable fame as a cook by his able preparation of the menus for several stag banquets at the Plant. At the time of his resignation he was president of the Athletic Association at Decatur Plant.

Firemen Continue Banquets

THE members of the Fire Dept. are very faithful in attendance at their monthly banquets, the February meeting being held on February 4th. The interest in the after-dinner entertainment, Fan Tan, is also maintained. The February meeting therefore was the usual success.

Absent Employees

Richard Miller, Automatic Dept., who is at the Adams County Memorial hospital for medical treatment is improving slowly.

Clyde Hitchcock, Punch Press Dept., reports that he is now recovering from his recent illness and expects to be back at work before so very long.

Carl Archer, of the Punch Press

Dept., is recovering from a recent attack of the "flu."

Basketball

The Decatur G-E basketball team closed the season with their play in the elimination tournament at Markle on February 9th where they went through to the finals only to lose to Markle who thereby qualified for the independent basketball state tournament play at Indianapolis. Two of Decatur's regular players were not on the team when it lost the final game to Markle by a 27 to 31 score. Zwick, of Decatur, won individual honors at Markle and he was awarded a prize as the player who exhibited the best sportsmanship.

During the season the Decatur G-E won 14 games and lost 13. The surprising thing, however, is that they were able to win only two of the ten games played on the home floor. Their best showing was in the two tournaments, the one at Fort Wayne and the one at Markle in both instances in which they went through to the finals.

Bowling

Standing of teams to date:

Punch Press	666
Inspectors	590
Motors	571
Rotors	555
Office	534
Flanges	521
Armatures	450
Maintenance	333

**New Ideas
Make the World
Go Forward
Suggest!**

*W*E can't all be great,
but most of us can
be useful; and no
man who is useful
is a failure.



The Cascades Yield to a New Conqueror

THE Conqueror is power—electric power—the “white coal” furnished by the snow-fed streams of the mountains themselves.

Working at unprecedented speed, and with clocklike regularity, engineers drove an eight-mile bore straight through the granite heart of the Cascades—the longest tunnel in America. Electric compressor plants furnished the compressed air; electric heating units kept the exhaust of the big shovels from freezing; motorized mucking machines loaded the dump cars, and electric locomotives were used to haul them away.



In less than three years the job was done—and now huge electric locomotives haul the trains of the Great Northern through the new tunnel in fifteen minutes.

Less dramatic perhaps, but no less important, are the myriad applications of electricity which are transforming every aspect of life and work in homes, offices, and factories. Literally, thousands of these applications are General Electric developments; always and everywhere the General Electric monogram is a safe guide to electrical correctness and dependability.

GENERAL ELECTRIC

95-647R

This advertisement will appear in general magazines during March and April

The
 Works News

April 19, 1929



Some of Those Who Took Part



"Dreamer Chorus"



"Possible Chorus"



The Specialty Group, "The Modern Youth", Louise Law-son, Harold Miller and Lucille McCov



"Performer Before the King's Court", Jacqueline Hench



Another "Performer Before the King's Court", Betty O'Toole



"The King's Royal Guards" Standing: Earle Mossburg, Glenn Carrol, Garland Hewitt, Ora Mossburg, Albert Steinhauer, Seated: Howard M. Such



"Jack, Harry and Tom, Rose and Pansy": Paul Vance, Harold Kelsey, Carl Geller, Virginia Bowman and Louise Borgman



"The Prince and the Duchess": J. H. Freeman and Marie Blough

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

April 19, 1929

No 4



The Cast

Oh! Ain't Love Grand!

THE G.E. club's first attempt in the line of theatricals was presented at the Shrine Auditorium April 10th and 11th. The club had arranged with "Musical Productions of New York" to produce the show under the personal direction of W. Chester Lutz, all members of the cast to be local G.E. employees. Approximately 150 people took part. The director had the assistance of Bernice Rolfes and Mrs. Lutz, who came from New York with him, in the training of this large group, and daily rehearsals were the order for approximately three weeks before the dates of presentation. The show presented was a musical comedy "Oh! Ain't Love Grand!" There were 18 speaking parts, 4 dancing choruses and an ensemble numbering over 60, about equal numbers of men and girls being involved.

The scene was laid in "Refresh-land" a semitropical island ruled by a king who had been robbed of all his treasure. When the play opens the king is hoping that his young and beautiful daughter, the Princess Rose, will consent to marry Prince Califlower whose sole qualifications as a suitable husband is that he has plenty of money. By the proposed marriage, of course, the king hopes to replenish

his finances, but the scheme is not progressing satisfactorily as the princess is refusing to favor the plan.

At about this time some young naturalists from the U.S.A. appear on the scene and love at first sight develops between the princess and Jack Bunting, one of this group. Just before this first act ends a slave of Prince Califlower tells Jack and his companions that the Prince is the one who had stolen the King's treasure.

In the opening of the closing act, Jack and his friends tell the King of the slave's story, that it was Prince Califlower who had stolen the King's money, and ways and means were discussed of securing a confession from the Prince. As the Prince is known to be highly superstitious, the plan decided upon is for the King to disguise



"Happy Day Chorus"



"Dawn Chorus"

himself as the fairy godmother of the Prince. In this disguise the King secures a complete confession from the Prince and the royal treasures are returned.

As suitable punishment for the Prince's crime he is sentenced to marry the old Duchess who had never succeeded in her many years' quest for a husband. After Jack's assistance in recovering the stolen treasure, the King gives his consent to the marriage of Jack and his daughter and the play ends by the King, at Jack's suggestion, declaring the island a republic like the U.S.A.

As is common in such musical shows the plot is principally a convenience in introducing the song and dance numbers which are the real features of the show.

These numbers are:

FIRST ACT

Hot Old Summer.....
Pansy and Guests at the Party
 Happy Days and Lonely Nights.....
Rose and Dance Chorus
 It Don't Do Nothin' but Rain.....
King and Royal Guards
 For You.....Jack
 Drifting and Dreaming...Rose and Jack
 If You Would Say I Love You.....
Rose, Pansy, Jack and Tom
 Is It Possible?.....
Prince and Dance Chorus
 Rosie.....Prince and Entire Ensemble

SECOND ACT

Miami.....
Tom and Subjects of King's Court
 Performers Before the King.....
 ..Jacqueline Hench, Betty Jane O'Toole,
 Clifford Boggart
 Then Came the Dawn.....
Jack and Dance Chorus
 Ask Me, I Don't Know..Duchess Eclair
 Am I Wasting My Time on You?.....
Rose and Jack
 The Dreams of a Dreamer Come True..
Pansy, Tom and Dance Chorus
 I Ate the Boloney....The Chamberlain

The King Isn't King Anymore.....
Harry and Entire Company

The Cast of Characters

The King.....Edw. J. Horstman
 The Chamberlain.....Neal R. Hench
 The Prince.....I. H. Freeman
 Jack Bunting.....Paul A. Vance
 Tom Canvass.....Carl Geller
 Harry Hunting.....Harold L. Kelsey
 The Messenger.....Earl E. Mossburg
 Shylos the Slave.....Howard M. Such
 Princess Rose.....Virginia Bowman
 Lady Pansy.....Louise Borgman
 Duchess Eclair.....Marie Blough
 The King's Royal Guards.....
 Glen O. Carroll, Ora Mossburg, Gar-
 land N. Hewitt, A. G. Steinhouser

The "Happy Day" chorus consisted of Clara Williams, Mabel Helen McClain, Nedra Abbott, Lillian Martin, Frances Coons, Louise Craig, Velma Houser, Esther Rice, Ruth Schweizer, Oline Shady.

In the "Possible" chorus were Mildred Koster, Helen Fletcher, Elizabeth Hailflich, Clara Walda, Evelyn Keesler, Mac Grout, Audro Close.



"The King and the Chamberlain," Edward Horstmeyer and Neal Hench

Those in the "Dawn" chorus were Dorothy Crawford, Tyra Hevel, Mildred Brown, Imogene Nye, Margaret Sappington, Pallas Kleinknecht.

The "Dreamer" chorus consisted of Betty Durham, Helen Fagan, Margy Tiedman, Beulah Class, Mary Ullmer, Gertrude Brunskill, Louise Przbindowska, Helen Oser.

In the "Ensemble" were Melbourne Johnston, Vera Hevel, Gay Manger, Louise Hilger, Fred Vanata, Mary Rodgers, Jack Teeters, Gladys Feaser, Harry Reinking, Beth Lou Shaw, Stephen Rygowski, Merle Stickelman, Clair Coen, Rebecca Ann Stiles, Luella Bullerman, Albert Melching, Edith Fuller, Marie Fowler, Lucille Miller, Noel Hamilton, Lavada Ramsey, William Burke, Genevieve Dahlkamp, Herbert Brockmeyer, Alice Immel, Edward Schmidt, Alice Gerber, Belva Imel, Evelin Stickelman, Robert Brake, Grant Ramsey, Marie Schempershowe, Norman Singleton, Ivel Monce, Paul Hitzeman, Donald Egts, Delorise Nevland, Mary B. Thomas, Emma Schwalm, Wilson Hafstetter, Glenn Fernwalt, Beatrice Huey, Bertha Polk, Edward Doescher, Rudolph Petrie, Harold Bowker, Hazel Henschen, Marie Bickel, Nellie Hattendorf, Dorothy Yates, Idah E. Shie, Elden Braden, Arthur Mossburg.

In a clever bit of by-play, staged in the audience between the acts, Harold Miller, Louise Lawson and Lucille McCoy had leading parts. They also appeared on the stage in the specialty act "Modern Youth."

YOU AND YOUR JOB

YOUR job pays your rent, buys your coal and clothes yourself and family. Your job buys your smokes and pays your bills with the butcher and baker and candlestick maker. Your job sends your children to school, pays your taxes and buys your daily papers. In fact your job pays the bills of all your ills and buys all your daily wants and all your pleasures, too.

And how do you meet and treat your job? Like a good friend and tried companion who wishes you well and has stood by and aided you and whose good graces you want to keep? Or do you greet your job with a surly frown and a well spoilt disposition as though your job had killed your wife, burned your house and poisoned your dog? Your job is your friend and deserves a friendly spirit from you. Your job offers to you in a friendly way, everything you want to be if you make your job everything it ought to be. Why not get acquainted with your job?

Do your own thinking for yourself.

—The Welder.

Deaths

Edward Martin

THE body of Edward Martin, Winter Street Plant, who disappeared about December 24th, was found in the St. Mary's river on March 10th. Mr. Martin was employed December 10, 1928, and last reported for work on December 21st. During this short period of service he worked as a machinist under Wilbur Stocks. His application for employment gave his age as 35 and nearest relative as his mother living in Terre Haute.

Christ Martin

Christ Martin, aged 56, a member of the Quarter Century club and brother of William Martin, retired, died March 19th at his home 817 West Berry St., following an extended illness. Mr. Martin had been employed here since December 19, 1900, when he took a position in the Warehouse under John Kiess, who was then in charge. In 1916 he was transferred to the Transformer Dept., where he continued until January 14th, when ill health made it necessary that he give up his work. His last service was in the Radio Transformer Dept., Bldg. 26-2. Those familiar with the personnel of the Works Volunteer Fire Dept. in the early days will recall that Mr. Martin was one of the members. He continued as a fireman until some six or seven years ago, when he was placed on the reserve list.

The funeral of Mr. Martin was held at the home on the afternoon of March 21st. Members of the Quarter Century club were in attendance and William P. Kindt, William Schultz, Herman Roehm, Sylvester Richards, Stewart Rehner and Peter M. Braun served as pallbearers. Burial was made in St. John's cemetery on the Engle Road.



Christ Martin



THE POWER HOUSE GROUP IN 1909

Standing: Wm. Bracht, Curtis Weikart, Eugene Potter (deceased), John McMillen, Frank Schrantz, John W. Cole; Sitting: Frank Reader, Patrick Buckley, Anthony Meyers, John Gensel.

Power House Employee Retires

AT noon on March 30th, Frank C. Schrantz, who for many years had been one of the men in our Works Power House, completed his active service here with General Electric. The day following was Mr. Schrantz's 70th birthday and the pension which has been granted to him began Monday, April 1st.



Frank Schrantz

Mr. Schrantz began his service here on December 1, 1903. In all of the 25 intervening years he has been a member of the power plant operating force. For many years he helped to take care of the big Corliss engines which many of our readers will recall were direct-connected to large d-c. generators

that were built here in our own Fort Wayne plant. After these direct-connected slow speed units gave place to modern turbine generating sets. Mr. Schrantz for a time worked on the night shift operating the turbine equipment. For about the last two years, however, Mr. Schrantz has had an easier assignment in the boiler room.

During his years of steady employment, Mr. Schrantz has acquired a home, and a cottage on the lake at Rome City. Although Mr. Schrantz is unmarried, yet for a number of years he has had the responsibility of caring for quite a sizable family, the five children of a deceased brother who came to live with him and his sister in their home on Melita Street. The youngest of these children is now almost high school age so his responsibilities in this line are appreciably reduced. He tells us that as soon as the weather gets warm he plans to go up to his lake cottage and stay the entire summer enjoying the leisure his years of steady employment have made possible for him.

The completion of 25 years of continuous service has made Mr. Schrantz eligible for membership in the G-E Quarter Century Club. His application for membership just recently was approved, and therefore Mr. Schrantz is now privileged to wear the distinctive gold button.

Wanted
Good Suggestions
Get in Touch
With
Suggestion Committee

Snapped During the Noon Hour



Enjoying the sun



Headed for the G-E Club



Our busy corner at noon hour



"Trolley la, la," at noon hour



Immediately after mess call



Some prospective employees waiting for the Employment Office to open

Suggestion Awards Total \$537.50

HARRY Zimmerman, Relay Assembly Dept., Bldg. 19-4, received the largest suggestion award made at Fort Wayne Works during the period of February 18th to March 16th, inclusive. His suggestion was that cast iron be used instead of cast brass for certain relay cover rims. When the relays were first designed cast brass cover rims were used as they could be secured quickly in the small quantities then necessary from our own brass foundry. As production increased the use of a less expensive material than brass for these relay cover rims became increasingly desirable. Mr. Zimmerman appreciated this fact; presented his idea, that cast iron would serve the purpose, in the form of a suggestion and received \$80 award.

Alva M. Briggs, of Bldg. 26-4, received \$40 award on his suggestion regarding an improved design of cutting tool for beveling phonograph motor worms.

John Ormiston, of Bldg. 4-4, received an award of \$30 on his suggestion regarding a special device for pulling coils in Bldg. 4-4.

An additional award of \$15 was made to Leslie E. Swank, Bldg. 17-2, on a review of his suggestion regarding the supplying of a machine for removing burr from motors in Bldg. 17-2. His original award on this suggestion was \$20.

Miles S. Hommer, Bldg. 17-4, received \$15 award on his suggestion regarding a change to the broaching machine in Bldg. 17-3.

E. E. Harrison received \$15 additional award on the review of his suggestion regarding change to end ring die used in Bldg. 17-2. His original award was \$5.

Eleanor Battenburg, Bldg. 19-5, received \$10 award on a suggestion regarding change to the method of packing meters.

C. F. Hambrock, Bldg. 19-5, received additional award of \$10 on suggestion regarding change to

stock used for punching I-16 meter back plates. His original award was \$10.



Alva Briggs



Harry Zimmerman



John Ormiston

Thomas D. Roberts, Bldg. 26-5, suggested change to method of making holdback dogs for punch press feeds used in Fractional Horsepower Motor Dept. and received \$10 award.

Hartman Deel, Bldg. 20-1, received \$10 award on suggestion regarding a change to contacts used on test panel for I-16 meters.

Harry Slater, Bldg. 17-3, received \$10 award on suggestion regarding change to counterbores used in Bldg. 17-3.

C. J. Lallow, Bldg. 7-2, suggested supplying a visible file card system in Bldg. 7-2 on which he received \$10 award.

F. H. Lemper, Bldg. 4-4, received \$10 award on suggestion regarding

the supplying of additional stock on certain fractional horsepower motor flanges.

F. W. Kespohl, Bldg. 19-4, suggested change to material used for IA relay worm stud and received \$10 award.

Alma Enderle, Bldg. 4-1, suggested change to method of taping fields in Bldg. 4-1 and received \$10 award.

D. F. Kammeyer, Bldg. 19-B, received \$10 award on his suggestion regarding a change in the operation of reaming bases in Bldg. 19-5.

Herbert Harter, Bldg. 26-1, was awarded \$10 on his suggestion of supplying a jack for holding coils for forming in Bldg. 26-1.

Alice Daily, Bldg. 19-5, received \$7.50 award on her suggestion regarding change to nameplates used in Meter Dept.

Forty-five awards of \$5 each were made to suggestors during this period, February 18th to March 16th, inclusive. These awards were as follows:

Carl S. Campbell, Bldg. 19-4, supplying motor-driven brush for cleaning I-16 meter coil leads in Bldg. 19-4.

Joe H. Cline, Bldg. 26-2, reusing paper sacks in Bldg. 26-2.

Albert B. Ray, Bldg. 4-5, rewiring test brake Bldg. 4-5.

Manford Lee, Bldg. 19-2, change to stop on shears in Bldg. 19-2.

Harry G. Todd, Bldg. 19-4, use of No. 530 primer on relays.

Waldemar Schmidt, Bldg. 19-3, supplying guard at drill press in Bldg. 19-3.

Darrell J. Herschfelder, Bldg. 26-2, supplying drip pans at winding machines in Bldg. 26-2.

Fordyce McComb, Bldg. 4-3, guard for lathe in Bldg. 4-3.

Donald E. McAfee, Bldg. 26-2, change to marking of instruction book numbers on namplates.

Clyde Mowery, Bldg. 20-1, guard for belt on burning machine in Bldg. 4-1.

Wyndall Brandt, Bldg. 26-2, supplying sheet iron shield under conveyor in Bldg. 26-2.

Lawrence C. Jentzsch, Bldg. 4-3, supplying a variable speed motor at spring winding machine in Bldg. 4-3.

Educational Opportunities

Charles P. Steinmetz Memorial Scholarship

General Electric Educational Loan Fund

Gerard Swope Loan Fund at Union College

For Sons of Employees, and Young Men Employed by the General Electric Company

Information and application forms may be obtained from Industrial Service Department

Applications must be filed at Schenectady before May 1st

Arthur J. Minnewisch, Bldg. 4-1, supplying guard to keep belt from coming off at pump for varnish tank in Bldg. 4-1.

Albert B. Ray, Bldg. 4-5, change to plug board at test room in Bldg. 4-5.

J. F. Workman, Bldg. 4-2, change to lighting at inspection bench in Bldg. 4-2.

Russell Johnson, Bldg. 19-5, running oil lines to cross slides of machines in Bldg. 19-5.

Russell Genth, Bldg. 19-5, supplying a guard at switchboard in Bldg. 19-5.

Chas. A. Swanson, Bldg. 17-3, changing switches on machines in Bldg. 17-3.

Carl D. Fisher, Bldg. 4-2, change to screws used on milling fixtures in Bldg. 4-2.

Herbert M. Kurtz, Bldg. 17-3, supplying a guard for centering machine in Bldg. 17-3.

Louis D. Hopper, Bldg. 20-1, supplying stops at doors in Bldg. 20-1.

Fred A. Burkett, Bldg. 20-1, supplying guards at machines in Bldg. 19-4.

Fred R. H. Stein, Bldg. 17-2, change to lighting at machines in Bldg. 17-2.

Albert Ray, Bldg. 4-5, change to motor used in Test Dept., Bldg. 4-5.

Robert Hatfield, Bldg. 20-1, change to switchboard equipment in Bldg. 16-2.

Leo Walters, Bldg. 4-5, change to panels used with frac. hp. motor-generator sets in Bldg. 4-5.

Dallas F. Robbins, Bldg. 19-5, change to devices for holding cleaners in Bldg. 19-5.

Fred B. Lahrman, Bldg. 5-1, change to cabinet on crane cab roof at scrap shed.

Louis D. Hopper, Bldg. 20-1, change to switches at cranes in Bldgs. 17-1 and 6-1.

Harold George, Bldg. 26-4, change to knockout on punch and die in Bldg. 26-4.

M. Strause, Bldg. 19-5, change to trip rod on riveting machine in Bldg. 19-5.

Raymond W. Epperson, Bldg. 4-5, change to oil screws used in Fr. Hp. Motor Dept.

Chas. A. Swanson, Bldg. 17-3, extending air lines to machines in Bldg. 17-3.

D. Knisley, Bldg. 17-4, supplying an anvil and vise in Bldg. 17-4.

Louis J. Hinen, Bldg. 4-1, using paper sacks to cover leads on stators in Bldg. 4-5.

Floyd E. Garland, Bldg. 17-3, supplying a drain box at automatic machines in Bldg. 17-3.

Geo. F. Ely, Bldg. 20-1, change to recorder door bracket at oven in Bldg. 17-2.

P. W. Lange, Bldg. 26-2, change to voltage used at preliminary test in Bldg. 26-2.

John B. Winstel, Bldg. 19-5, change to fixture at press in Bldg. 19-5.

Bert M. Bender, Bldg. 4-4, supplying ribs to reinforce castings used in Bldg. 4-4.

Arthur E. Chettle, Bldg. 4-1, supplying an improved clamping device at test in Bldg. 4-1.

Orena Christenbury, Bldg. 19-4, change to construction of chair brackets used on chairs in Bldg. 19-4.

Lorain Chapman, Bldg. 20-1, guard at blower shaft in Bldg. 19-4.

E. J. Stroud, Bldg. 18-2, supplying a light at high tension panel in Bldg. 18-B.

Fred Hambrock, Bldg. 18-4, supplying a stamp for use in Order and Stores Dept. in Bldg. 18-4.

In the March WORKS NEWS the picture of Roy C. Lawrence was used among others at the head of the suggestion award story, but inadvertently his suggestion and award were not mentioned. Mr. Lawrence received \$25 award on his suggestion that an electrically-operated lift be substituted for the hand-operated crane in Bldg. 26-4.

G-E Squares Entertain With Smoker

THE sixth annual smoker for all college men of Fort Wayne Works, given by the G-E Squares, was held on the evening of April 5th. Approximately 150 men were present and 47 universities and colleges were represented. The program included an address by Dr. Miles F. Porter, Jr., musical numbers by the Squares orchestra and the G-E Squares quartet, a one-act comedy skit and a boxing match.

Listen In

Tomorrow evening at 7:00 o'clock Eastern Standard time, the National Broadcasting Company, with its coast-to-coast hook-up, co-operating with the National Safety Council, will present the first of a series of 13 weekly programs on "Universal Safety."

Charles M. Schwab, Chairman of the Board, Bethlehem Steel Corporation, will open this series tomorrow night, speaking from the New York station WEAf, on "Safety as a Factor in Industry." Twelve other speakers of equal prominence have been scheduled and the complete list will be announced shortly.

Refreshments, yells, songs and as the invitation phrased it, "a love scene between Purdue and Ames," were concluding features.

The purpose behind these annual smokers is to further acquaintances between the younger engineers in our organization and those riper in years and experience. There is every reason why better acquaintance should be of mutual advantage to all concerned.

The committee in charge consisted of L. F. Hemphill, chairman; C. H. Marihart, program; H. B. Carter, invitations; B. A. Case, decorations; W. M. Adams, refreshments, and J. B. Greer, favors. Members of the Squares orchestra: R. Hartigan, saxophone; P. D. Dale, piano; D. Pillars, drums; J. F. Eitman, violin; M. G. Chester, saxophone, and C. H. Marihart, banjo. The members of the quartet were W. M. Adams, 2nd tenor; K. G. Lagerlof, 1st tenor; C. A. Ertle, baritone; J. F. Eitman, bass. Those presenting the comedy skit were H. Kroeger and G. Divers.

The principles in the boxing bout were "Chick" Wagner, Switchgear Dept., Bldg. 17-1, and Harvey Lees, Transformer Dept., Bldg. 26-B. Nick Little, Bldg. 7-2, the G-E club boxing instructor, refereed the bout.

Elect New Officers

At the semi-annual election of club officers held April 2nd, the G-E Squares selected C. H. Marihart for president, R. D. Jones, vice president, and L. Z. Gossman, secretary-treasurer. All of these new officers are employed in the Fractional Hp. Motor Engineering Dept. Marihart succeeds T. N. Ness as president, and Jones succeeds Marihart as vice president. Gossman was continued in office as secretary-treasurer.

It Won't Be Long Now

NOW that warm weather is here again, our thoughts turn once more to pleasant week-ends spent as far as possible away from the city. The picture on the cover this month might be almost any lake. But as a matter of fact it's Sebago Lake, way up near Portland, Maine.



Dale Lauer



Eric Bluhm



Gayle Jones



Herman Lannert

Four Graduate and Fourteen Enroll

ON February 23rd Eric Bluhm completed his course as machinist-toolmaker apprentice and received with his diploma the customary \$100 bonus. Mr. Bluhm came here from Kendallville after graduating from the Kendallville high school in the class of 1925. At present he is employed in the Apprentice Dept. under Mr. Wolf.

Herman Lannert and Gayle Jones completed their apprentice courses and received both diplomas and bonus on March 2nd. Mr. Lannert who is a Fort Wayne boy took the machinist-toolmaker course and is now working for foreman Frank Hoffman in the Toolmaking Dept., Bldg. 26-5. Mr. Jones, who graduated from the McClure, Ohio, high school in 1925, took the three-year electrical tester course and is working for L. A. Erickson, Bldg. 3-3.

Dale Lauer, a graduate of Roanoke high school in 1925, completed the electrical tester apprentice course on March 9th. He also has completed an electrical course at the Coyne electrical school in Chicago. On receiving his apprentice diploma and the usual bonus, he was assigned to regular work in the Apparatus Test, Bldg. 19-1.

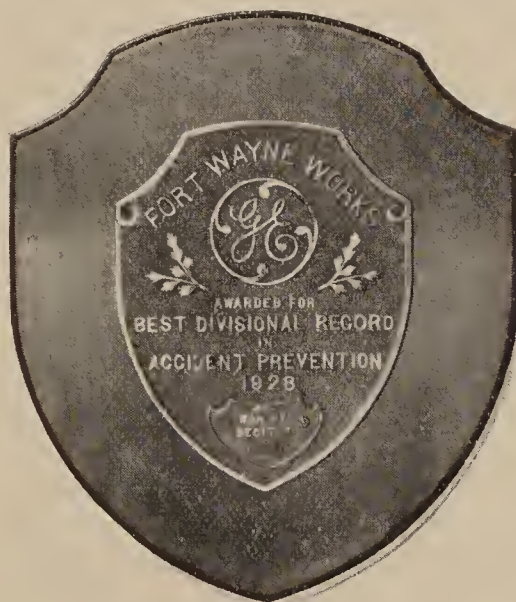
Ten new students enrolled during the past month for the machinist-toolmaker course, and four enrolled for the draftsman course. The new machinist-toolmaker apprentices are: Harmon Whitehurst, Warren; Carth Tappy, Poneto; Arthur Everett, Decatur; Milton Palm, Fennville, Mich; Joseph Kramer, Washington; Raymond Fulghum, Richmond; Cooney Houser, R. R. 8, Fort Wayne; Earl Strouse, Wolf Lake; Theodore Koenig and Virgil Meier, both of this city. The new draftsman apprentices are Walter MacGinnitie, Portland; Christian

Sarber, Mentone; Charles Edens, Beckville, and Hugh Reynolds, Fort Wayne.

Success

IF the wish crier should come down the street, bell ringing, what would you wish for? "Success," would come the echo from a million throats. "Success in love—in business," "Success in all doing and daring."

Unfortunately, Success, like personality, isn't put up in boxes, trade-marked and wholesaled out to wish criers who retail it out to you. Success is of individual manufacture. And if we could turn it upside down, perhaps we might read such a label as this on the bottom "Made by Me."



DECATUR WINS TROPHY

This beautiful trophy was presented to the Decatur Plant on April 5th for having the best divisional safety record for the year 1928. During the year 1928 Decatur Plant had only two accidents, both of which were hernias, causing a loss of 63 days. Decatur Plant has gone the first three months of 1929 without a lost-time accident, and, therefore, has a good start towards winning the trophy again this year.

Still Giving Service at the Old Stand

AN interesting story of service rendered to a customer is embodied in a letter received recently by Mr. Grosjean, Shipping Dept., from Mr. Riley, of the Graybar-W.E. Dept. at Schenectady. The incident, from the service angle, is not unusual, for it is an established rule within our organization to give the customers all the co-operation possible. This instance, however, is interesting in that the conditions were hard to meet and the customer fully appreciating that fact, took occasion to express his appreciation. The case in hand involved the shipment of some large transformers to South America. The following letter tells the story:

Schenectady, March 15, 1929.

Mr. J. C. Grosjean,
Fort Wayne Works.

Yesterday Mr. Mutchler, of the Bell Telephone Laboratories, phoned the writer expressing their appreciation of the excellent manner in which you followed their instructions regarding shipment of this requisition. You might be interested in the following details regarding customer's requirements.

After office hours February 28th, Mr. Pedersen, of the Bell Telephone Laboratories, phoned Mr. Bishop, of this department, stating that they had just received the information that the transformers should be shipped to Buenos Aires, Argentine Republic, S. A., and that shipment should leave New York on the steamer *Southern Cross*, of the Monson Line, which was sailing Wednesday, March 6th.

Mr. Pedersen believed he had received instructions too late in order to make shipment on the stated vessel. They requested, however, that we make every effort to have the transformers reach New York in time for the March 6th sailing. Accordingly we phoned March 1st, giving you the details as transmitted to us by the customer. We find the shipment left Fort Wayne March 1st, and the customer advised same reached Hoboken late Monday and was loaded on the steamship Tuesday, March 5th. Due to the fact that this shipment consisted of two 170 kv-a. transformers with pounds, and required special cars for transportation, the customer feels the service rendered was of very high order, accessories—total weight over 10,000 and wishes to assure you that your quick action in shipping the transformers on March 1st—and the following of the shipment by telegraph is much appreciated.

A. H. RICHARDSON.
Graybar W. E. Department.
By: E. J. Riley.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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J. E. Hall.....Quarter Century Club

Vol. 13 April 19, 1929 No. 4

Foremen Declare War On Waste!

AT the meeting of the Foremen's association held on March 22nd, the entire time was devoted to the discussion of the utilization of material and the elimination of waste. The principal address of the evening was by C. H. McKnight, supervisor of inventory control of our Company, whose headquarters are at Schenectady, after which a general discussion of this problem was held.

Mr. McKnight emphasized the necessity for using to the fullest extent every bit of material which enters into the manufacture of our product, and he aroused a great deal of interest with the facts and figures which he quoted.

The reduction in the cost of manufacturing our products is of vital importance to every employee. Competition in the electrical industry is keener than ever. Our business has steadily increased, our costs have steadily decreased, and employees' earnings are higher than ever before. Yet, if we wish continued progress along these lines we must look for ever greater efficiency.

There are two major causes of waste.

First, there is the improper use of raw materials, such as copper,

brass, steel, fabric, and so on. The elimination of this source of waste must begin when the product is designed. After the engineer has designed a product to be made efficiently, the next step is to provide the tools and equipment which will produce it most efficiently. After that, the responsibility is up to the operators to see that there is as little waste of material as possible.

The second source of waste is the improper use of such facilities as small tools, shop supplies, electric current, gas, water, compressed air, which are required during manufacture. Below is the approximate amount spent for these items at our Works last year:

Small tools (screwdrivers, files wrenches, etc.).....	\$ 165,000
Shop supplies (Emery cloth, oils, wiping rags, etc.).....	305,000
Electric current.....	390,000
City gas.....	65,000
Water	15,000
Compressed air	60,000
Total.....	\$1,000,000

We are apt to forget that by turning off lights and shutting down motors when not needed, by being careful in the use of gas, compressed air, water and so on, and by using our tools a little more carefully, we can effect a really enormous saving. If we could save only 5 per cent of the total amount spent on these items, the saving would still be \$50,000 a year! The result of every saving is lowered costs, increased sales, and consequently more work and better pay for all.

Constructive ideas gained by the employee as a result of study of his job and aimed at the elimination of waste, are especially acceptable as material for Suggestion awards. Any such idea should be turned in to the Suggestion committee, Bldg. 16-3. It will be considered carefully, and if accepted an award commensurate with its value will be made.

Absent Employees

Sylvester Lafontaine, Winter Street, is now at his home at 2223 Winch St., recovering from an operation for appendicitis.

Luella Pranger, Meter Dept., Bldg. 19-4, is at her home at 1515 Edgewater Ave., following an operation. She should soon return to work.

Clarence Hartman, foreman, Small Motor Dept., Bldg. 4-4, has been confined to his home at 644 Lawton Place, for several weeks on account of sickness. He has improved rapidly.

Mary Flannery, Service Bureau, Bldg. 3-3, is confined to her home at 1126 Fairfield Ave., by an attack of typhoid fever. She is now recovering strength.

Carl Cochran, of the Experimental Dept., Bldg. 17-4, who has been unable to be at work for several weeks because of nervous trouble, is reported as improving.

Eula Cessna, Transformer Dept., Bldg. 26-2, who has been confined to her home at 1522 Wells St., by injuries received in an automobile accident, is expecting to return to work in a few weeks.

Howard Brooks, Small Motor Dept., Bldg. 3-3, has typhoid fever and is a patient at the St. Joseph hospital. Reports from the hospital are that he is recovering slowly and may be able to leave soon.

Eileen Emerick, Meter Dept., Bldg. 19-4, is at the Lutheran hospital where she underwent an operation recently. She is convalescing nicely.

Red Rodman, General Service Division, is a patient at the St. Joseph hospital suffering from a concussion of the brain. His condition is improving and he hopes to be able to leave the hospital soon.

Alma Young, Small Motor Dept., Bldg. 4-5, is a patient at the St. Joseph hospital recovering from a recent operation. Her improvement is such that she expects to soon return to her home at 914½ W. Jefferson St.

Mrs. Eileen Swafford, Meter Dept., Bldg. 19-5, is now at her home at 930 Home Ave., recovering from an operation. She reports that she is feeling fine and will return soon.

Charles Thornhill, Small Motor Dept., Bldg. 4-5, is confined to his home at 3220 LaJolla Court on account of sickness. He is slowly improving and is anxious to return to work.

Charlotte Sauers, Small Motor Dept., is a patient at the St. Joseph hospital recovering from an operation. She soon should be able to leave.

Mary Hill, Collector Dept., Decatur Plant, is confined to her home by illness.

Richard Miller, Automatic Dept., Decatur Plant, who has been unable to work since December 27th, is reported as now on the road to recovery.

Jerome Keller, Decatur Plant, is now off duty because of an attack of rheumatism.

J. W. Pence, General Service Division, on account of ill health has been granted a leave of absence and will spend the summer on a farm six miles east of Auburn. On the day that he left, his co-workers, as an expression of their esteem and well wishes, presented him with some stock for his farm.

Report of Our Company for 1928

*Features Payments by Results, Pensions, Insurance, Savings Plan,
and Home Ownership*

Orders Received Increased 13 Per Cent

FOLLOWING is a summary of the annual report of the General Electric Company for the year 1928, made public by President Gerard Swope, on March 26th:

Earnings of the General Electric Company for 1928 amounted to \$54,153,806, equivalent, after dividends on the special stock, to \$7.15 a share on the 7,211,481 shares of no par common stock.

This compares with \$6.41 a share in 1927.

Orders received during the year 1928 were \$348,848,512, compared with \$309,784,623 in 1927, an increase of 13 per cent, and unfilled orders at the end of the year were \$72,953,000, compared with \$68,916,000 at the close of 1927, an increase of 6 per cent.

A comparison of income and expenses for the two years ending December 31st is on page 2.

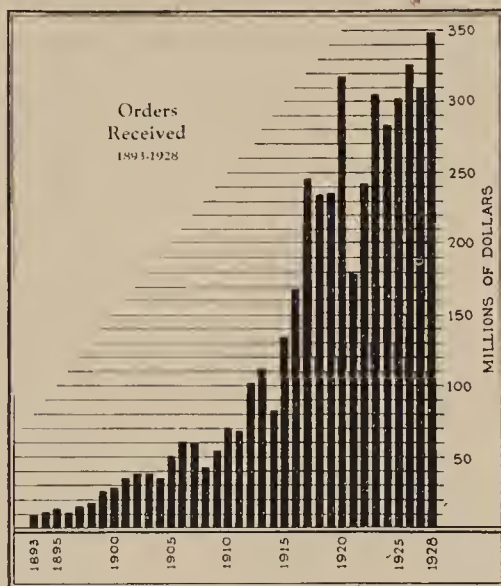
The Company's manufacturing plant investment at the end of the year had a cost value of \$205,631,890, but deducting \$158,075,079 of reserves, the net book value was \$47,556,811 or \$2,781,560 less than at the end of 1927.

Investments in associated companies are carried at \$96,614,722, compared with \$90,330,622 at the end of 1927. The larger part of the increase of \$6,284,100 resulted from additional capital provided for the International General Electric Co., and the United Electric Securities Co.

The income from associated companies in 1928 was $7\frac{1}{2}$ per cent of the book value of investments in these companies. If the Company's proportion of all earnings of associated companies available for dividends, whether paid or not, had been taken into income, the increase would have been approximately \$1.62 per share on the common stock.

Among the associated companies are fourteen electrical distributors handling General Electric merchandise products. At the close of 1928

there were forty-five designated distributors, including the fourteen referred to above, operating in one hundred and nine cities throughout the United States.



The International General Electric Company, which handles all export business, yielded a profit available for dividends of \$1,681,735, compared with \$1,556,335 in 1927.

Inventories, after deducting reserves, are carried at \$63,776,149, compared with \$67,213,705 at the end of 1927. At the end of 1920 inventories amounted to \$118,109,173 and shipments were \$275,758,487, the ratio of inventories to shipments being 42.8 per cent. At the close of 1928 inventories were \$63,776,149 and shipments \$337,189,422, the ratio being 18.9 per cent. This shows that the turnover of inventory in 1928 is more than double that of 1920.

Notes and accounts receivable, after deducting reserves, are carried at \$39,804,606, compared with \$33,969,497 at the end of 1927, an increase of \$5,835,109. Cash totaled \$64,089,378 and temporary investments in United States Government securities were \$114,624,000, a total of \$178,713,378, compared with \$153,764,006 at the close of 1927.

Funded debt consists of \$2,047,000 of $3\frac{1}{2}$ per cent gold debentures due in 1942.

The Company has no notes payable, or any obligations bearing its endorsement outstanding.

In addition to the regular dividends at the rate of \$4 per share, an extra cash dividend of \$1 was declared in June, 1928, payable in July, 1928. Another extra cash dividend of \$1 was declared in December, 1928, payable in January, 1929, from the surplus accumulated as the result of the sale of the entire holdings of the Company in the stock of the Contract Purchase Corporation and from the increase during the year in income from investments and from sources other than regular sales.

The number of holders of common and special stock on December 21, 1928, was 51,882. This is an increase of 2041 in the number of stockholders over December, 1927.

The average number of employees during 1928, not including those of associated companies, was 73,526 and approximately 58 per cent of these have served the Company five years or more. Nineteen per cent of all employees in 1903 and 26 per cent of those on the payroll in 1908 are still in the Company's service.

G. E. Employees Securities Corporation bonds to the amount of \$35,146,220 are now owned or are being paid for on the installment plan by 34,000 employees. Individual subscriptions are limited to \$500 per year and 96 per cent of the bonds are owned or are being paid for by employees receiving less than \$6000 per year. These bonds bear 6 per cent interest, to which is added two per cent as long as the original purchaser remains in the employ of the Company and retains the bonds.

Among the subjects covered in the report are the following:

Prices

The trend of average selling prices of the Company's products continued downward in 1928. Keen

competition in the industry and improvements in manufacturing methods and general efficiency have contributed to that result. Reductions in selling prices during the year resulted in savings to customers and the public generally of approximately \$9,000,000 and these savings are in addition to the benefits resulting from improved designs and better operating characteristics.

Pensions

In December, 1927, the General Electric Company created a Pension Trust of \$5,000,000. Subsequent payments made to the Trust by the Company, plus income from investments and less disbursements, have increased the balance in the Trust at December 31, 1928, to \$7,909,191.99.

Pensions amounting to \$514,495.30 were paid to 953 retired employees during 1928, some of whom drew pensions for only part of the year. At December 31st there were 877 on the pension rolls.

The Additional Pension Plan announced to employees in December, 1927, and referred to in the last annual report, was to have been made effective on January 1, 1929. It met with such general acceptance that after conferring with the representatives of the employees, the effective date was advanced to July 1, 1928.

The Additional Pension Plan provides that 1½ per cent of the earnings of employees is to be set aside as a fund in the hands of Pension Custodians and the accumulated principal and income are paid out to the employees upon leaving the employ of the Company, to the heirs upon death, or in the form of "additional" pensions upon retirement.

Acceptance of the plan was made a mutual condition of employment for all employees who had completed five years of continuous service and who on July 1, 1928, were forty-five years of age or less and for all employees thereafter completing five years of continuous service. Every one of this group of 27,000 men and women accepted the plan. For employees over forty-five years of age, and with more than five years of service, the plan is

optional. It was accepted by 91 per cent of this group. Employees with less than five years of service have until the expiration of that period the option to come in under the provisions of the plan.

Group Life and Disability Insurance

For nearly nine years the Company has provided group life and disability insurance protecting a large majority of the employees.

The 1926 annual report described an Additional Group Life and Disability Insurance Plan which was offered to employees in the latter part of 1925. In December, 1927, announcement was made to employees that on January 1, 1929, this plan would become a mutual condition of employment for some and optional for others. It met with such general acceptance that after conferring with the representatives of the employees, the effective date was advanced to July 1, 1928.

Acceptance of the plan was made a mutual condition of employment for all men employees who had completed five years of continuous service and who on July 1, 1928, were forty-five years of age or less and for all men employees thereafter completing five years of continuous service. Every one of this group of 21,000 accepted the plan. For men employees over forty-five years of age on July 1, 1928, and with more than five years of service, the plan is optional. It is also optional for men employees who

have served more than one year and less than five years, until the expiration of the fifth year, when it becomes a mutual condition of employment. There were approximately 28,000 men in these two groups and 85 per cent accepted the plan. It is optional for all women employees after one year of service. There were approximately 16,000 women eligible, of whom 73 per cent accepted the plan.

Since the "additional" insurance plan was put into effect in November, 1925, \$2,608,867 has been paid to 1186 employees (or their beneficiaries), of which \$1,217,367 was under the free insurance policy of the Company, and \$1,391,500 was the additional insurance paid for by the employees.

Home Ownership Plan

The progress in the acquisition of homes by employees has continued. During 1928, 347 homes of a value of \$2,656,394 were financed under the plan.

In all, 1837 employees have been assisted in financing their homes, representing a value of almost \$14,000,000, of which the employees have paid in excess of \$4,633,700, or approximately 33 per cent, the remainder being carried by financial institutions on first and second mortgages.

Savings Plan for Employees

The G.E. Employees Securities Corporation was formed in 1922 to

Comparison of Income and Expenses for 1927 and 1928 as of December 31st

	1928	1927
Net sales billed.....	\$337,189,422.43	\$312,603,771.53
Less: Cost of sales, including operating, maintenance and depreciation charges, reserves, and provision for all taxes.....	297,528,191.60	276,454,003.37
Net income from sales.....	\$ 39,661,230.83	\$ 36,149,768.16
Income from other sources:		
Income from associated companies.....	\$ 7,198,005.29	\$ 5,642,884.66
Income from miscellaneous securities.....	879,239.81	1,010,164.14
Interest and discount.....	2,982,000.15	3,262,924.08
Income from U. S. Government securities.....	3,605,780.12	3,787,063.58
Royalties and sundry revenue.....	3,006,176.51	1,692,881.92
	\$ 17,671,201.88	\$ 15,395,918.38
Total income.....	\$ 57,332,432.71	\$ 51,545,686.54
Less: All interest payments.....	321,678.42	\$ 284,485.81
Addition to general reserve.....	2,856,948.20	2,461,712.00
	\$ 3,178,626.62	2,746,197.81
Profit available for dividends.....	\$ 54,153,806.09	\$ 48,799,488.73
Less 6% cash dividends on special stock.....	2,574,655.35	2,574,446.55
Profit available for dividends on common stock.....	\$ 51,579,150.74	\$ 46,225,042.18
Less: Regular cash dividends on common stock.....	28,843,769.00	27,040,881.25
Extra cash dividends on common stock.....	14,421,887.00	7,210,893.00
Surplus for the year.....	\$ 8,313,494.74	\$11,973,267.93

provide a safe and convenient vehicle for employees' savings, and statements of its organization and development have been made in these reports from year to year. The annual report of the G.E. Employees Securities Corporation was published in the March 15th WORKS NEWS.

Suggestion System

Suggestion systems have been in operation for a number of years in most of the large factories, some of the smaller ones, and in many of the offices of the Company. The system is designed to stimulate the initiative of employees and encourage suggestions for better ways of

doing things. Suggestion awards are limited to employees whose duties are not of a supervisory character, and who are not specifically employed to make improvements in products or methods.

Response from the employees has been gratifying and the number and quality of suggestions have steadily improved. The highest single award has been \$1200, and there have been many of from \$50 to \$500. During 1928, \$62,381 was paid to factory employees for suggestions. During that year, 18,077 suggestions were received, which is 339 per thousand of eligible employees. Thirty-one per

cent of those submitted were adopted. During the last six years, since the plan became systematized, awards amounting to \$263,800 have been paid to factory employees in cash or G.E. Employees Securities Corporation bonds.

Payments by Results

"The Management desires to inform the stockholders," says the report, "of the methods employed to encourage the greatest effective productivity from all classes of employees—the opportunities that are offered for promotion and greater responsibility and for increased remuneration.

"The simplest method of wage payment is to pay for time. In many respects this method is unsatisfactory, principally because in itself it offers no incentive to do a better job nor does it reward the efforts of the ambitious worker, but in many cases it is the only system that has so far been devised. However, constant study is being directed towards more effective plans of remuneration based upon results.

"Perhaps the earliest incentive wage plan is the direct piece-rate plan under which payment is based upon the number of pieces produced. This is often satisfactory when the product can be standardized and put in quantity production with no changes in methods.

"Modifications of the piece-rate system have been introduced, such as the differential piece rate, task and bonus, group incentive and many others, and constant study is being made both within and outside of our organization to improve these plans, and your Company has endeavored to apply the best of them.

"Earnings of the workers are studied to identify those who are making the highest earnings and to retain them and give them greater opportunities either for earning more or for promotion to supervisory work, as the Company's interest lies in obtaining the best and most highly skilled workmen and supervisors in order to give the best service and increase the productivity of its capital investment,

Condensed Balance Sheet December 31, 1928 and 1927

Assets		1928	1927
Fixed investments:			
Manufacturing plants at cost, including land, buildings and machinery.....		\$205,631,890.56	\$200,896,984.37
Less: General plant reserve and depreciation.....		158,075,078.92	150,558,612.38
		<u>\$ 47,556,811.64</u>	<u>\$ 50,338,371.99</u>
Warehouses, office buildings, etc.....		2,380,281.10	2,496,892.36
Furniture and appliances (other than in factories).....		1.00	1.00
Patents.....		1.00	1.00
Total fixed investments.....		\$49,937,094.74	\$ 52,835,266.35
Associated companies.....		96,614,722.69	90,330,622.16
Miscellaneous securities.....		12,206,300.70	12,618,703.77
Current assets:			
Inventories.....		63,776,149.05	67,213,705.87
Installation work in progress.....		19,087,454.92	16,789,740.17
Notes and accounts receivable.....		39,804,606.68	33,969,497.14
U. S. Government securities.....		114,624,000.00	76,371,000.00
Cash.....		64,089,378.35	77,393,006.92
		<u>\$301,381,589.00</u>	<u>\$271,736,950.10</u>
Less: Advance payments on contracts.....		19,534,343.95	19,068,609.07
Total current assets.....		\$281,847,245.05	\$252,668,341.03
Deferred charges.....		315,615.27	627,590.56
		<u>\$440,920,978.45</u>	<u>\$409,080,523.87</u>
Liabilities and Capital			
		1928	1927
3½% Debenture bonds due 1942.....		\$ 2,047,000.00	\$ 2,047,000.00
Current liabilities:			
Accounts payable.....		17,928,194.44	12,721,346.48
Accrued taxes, federal and other.....		9,670,553.84	12,571,539.45
Dividends payable.....		15,065,574.00	7,854,563.05
Total current liabilities....		\$ 42,664,322.28	\$ 33,147,448.98
Reserves for self-insurance, workmen's compensation, etc.....		5,957,417.88	5,014,514.74
Charles A. Coffin Foundation.....		400,000.00	400,000.00
General reserve:			
At January 1st.....		30,158,262.81	27,696,550.81
Added during year from operations.....		945,694.00	
Added during year from income.....		2,856,948.20	2,461,712.00
Total general reserve.....		\$ 33,960,905.01	\$ 30,158,262.81
Special stock			
Authorized 5,500,000 shares, par value \$10; issued 4,292,963½		42,929,635.00	42,929,635.00
Common stock and surplus:			
Common stock (authorized 7,400,000 shares no par value; issued 7,211,481 84/100 shares).....		180,287,046.00	180,287,046.00
Surplus at January 1st.....		115,096,616.34	103,123,348.41
Reserve for Contract Purchase Corporations investments restored to surplus.....		5,043,613.00	
Reserve for federal taxes restored to surplus.....		4,220,928.20	
Surplus for the year.....		8,313,494.74	11,973,267.93
Total common stock and surplus,.....		\$312,961,698.28	\$295,383,662.34
		<u>\$440,920,978.45</u>	<u>\$409,080,523.87</u>

"Employees long in the service of the Company have acquired experience and greater skill and consequently have more value. There is also less chance of their leaving, with a resulting decrease in labor turnover and a substantial saving of expense. Because of this, all employees, not in higher salaried positions, with five or more years' service, are paid supplementary compensation of 5 per cent of their annual earnings. This payment is made semi-annually in cash or in bonds of the G.E. Employees Securities Corporation, at the option of the employees.

"Studies are being made to determine if the supplementary compensation for continuous service can be made dependent upon the profits of the Company, to which all employees contribute.

"Employees in important and supervisory positions in all departments, including Administrative, Engineering, Manufacturing and Sales, are formed into groups having a common interest in and responsibility for the results attained by a department, a sales district, a factory, or other subdivision of the business. The elements of the responsibility of each group are defined and used as a basis for determining the efficiency of its operation. Periodical reports are prepared showing the progress of each group and at the end of the year an extra compensation fund for each group is calculated upon the results. These plans embrace all branches of the organization, including the leading executives. The plans for this last group are based upon the net profit of a department or of the Company, after provision for all expenses, including taxes, and a reasonable return on the investment.

"As soon as possible after the end of the year the extra compensation earned is paid to the participants according to their ratings, in cash, in bonds of the G.E. Employees Securities Corporation, or in common stock of General Electric Company purchased in the open market.

"The grand total of all supplementary and extra compensation paid for the year 1928 to 40,040 employees amounted to \$7,431,137."

18,077 Suggestions Submitted in 1928

A TOTAL of 18,077 suggestions submitted during 1928, as compared with 15,059 in 1927, is recorded in the annual report on the Suggestion System, recently prepared. This indicates a healthy growth in interest in the Suggestion System, and suggests that a steadily increasing number of G-E employees are taking this method of adding to their incomes.

The report also indicates that a total of 5627 suggestions were adopted last year, as compared to 4913 in 1927. The total amount of the awards granted was \$62,381 in 1928, and \$51,567 in 1927. During the year 1928 the largest award granted was for \$1200, which went to a man who made an important suggestion for improving G-E refrigerators.

Ever since the Suggestion System was established a number of years ago interest in it has continued to increase. But the figures indicate that there are many who still fail to turn their ideas to practical account by means of it. The great advantage of the Suggestion System is that it gives every employee, no matter what type of work he may be engaged in, a chance to cash in on his original ideas in a practical way.

The fundamental idea behind the Suggestion System is well expressed in its slogan—*"There is always a better way."* Engineers realize that they are not always right. They realize that many of our products can still be improved.

They realize that slight changes in design, which they have not thought of, can often lead to immense savings in manufacturing cost and real improvement in the quality of the product. And they realize that the man in the shop—the man who actually contributes to the manufacture of a product—is in an excellent position to find out its defects.

The Suggestion System exists in order that the man at the bench or the machine, when he discovers a defect or when he works out an improvement, may see his idea put into practice.

In the past the Suggestion System has brought out many important improvements, and a great many improvements which were valuable even though less important. Thus the Company has been helped in its effort to lower costs and improve quality; the suggestor's fellow workmen have benefited by the increased business due to these lower costs and improved quality; and the suggestor himself has benefited by receiving a substantial cash award for his idea.

Members of the Suggestion Committees in the various Works urge that those employees who have not yet thought of "a better way," look critically at the work they are doing, and report any ideas they may have for improving it.

Following are figures on the work of the Suggestion System for 1927 and 1928, divided according to Works:

WORKS	No. Suggestions Received		No. Suggestions Adopted		Total Awards		Highest Award	
	1927	1928	1927	1928	1927	1928	1927	1928
Baltimore.....	372	151	128	77	\$601	\$486	\$35	\$125
Bloomfield.....	338	280	131	97	1,140	1,550	45	140
Bridgeport.....	640	791	190	224	2,280	1,760	100	50
Erie.....	1,573	1810	590	691	3,023	3,530	260	300
Fort Wayne....	3,312	3920	853	969	7,140	9,600	100	300
Oakland.....	59	16	18	4	62	27	10	20
Philadelphia....	1,038	1957	220	273	2,404	2,967	200	170
Pittsfield.....	1,919	2149	617	718	6,725	6,900	300	200
River Works....	1,331	1279	549	574	5,110	5,785	275	350
Schenectady....	3,720	4940	1228	1722	20,780	27,315	500	1200
West Lynn.....	757	794	289	278	2,302	2,461	150	100
Davenport.....	....	229	....	79	....	210	....	50
Peterborough...	1,179	982	317	328	1,115	1,300	125	125
Ward Street....	110	46	21	18	102	145	10	43
Totals.....	15,059	18,077	4913	5627	\$51,567	\$62,381		

Here and There With the G-E Cameraman



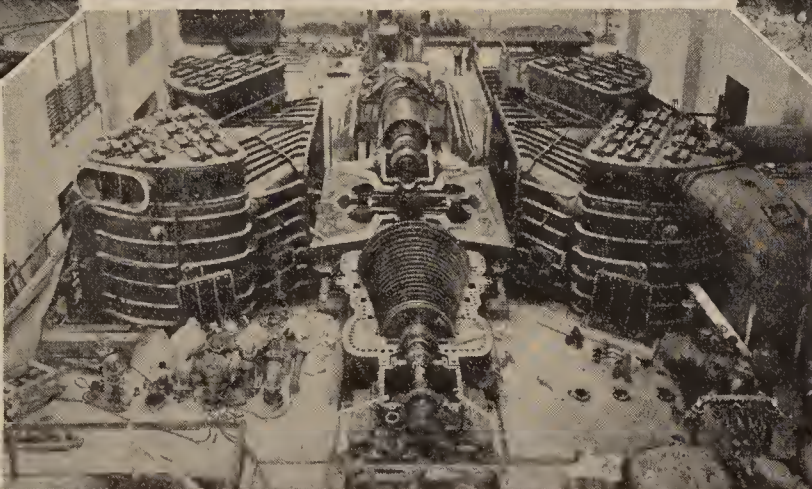
The orchestra that entertains during the G-E hour over the N.B.C. chain of 42 stations. The insert shows Walter Damrosch, world famous director, who conducts it



This new G-E super-beacon, installed at the Cleveland Municipal airport, takes the danger out of fogs



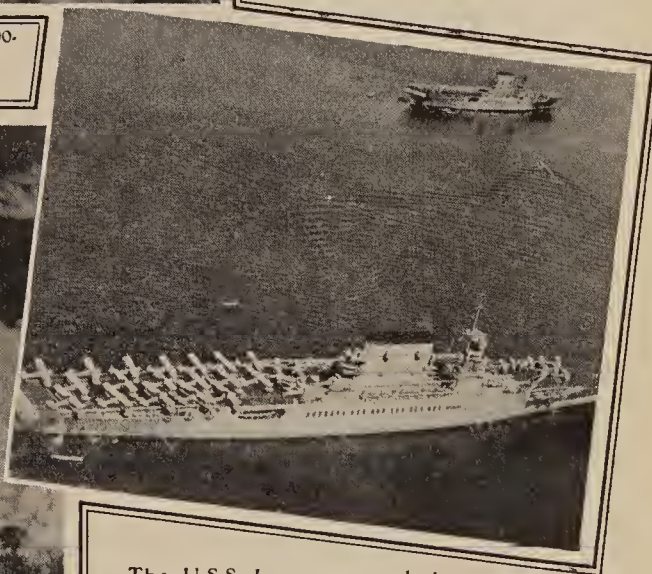
Waiting for the green light at one of the push-button-controlled and sound-operated traffic signals, installed by G-E in Baltimore, Md.



The largest completed unit of its type, this 94,000-kw turbine-generator set was installed by G-E in the Long Beach station of the California Edison Co.



"Casey Jones," the voice-controlled train built by G-E engineers, goes, stops and runs backward at the command of this young lady



The U.S.S. Lexington and the U.S.S. Saratoga, G-E equipped airplane carriers, at anchor during recent manoeuvres near the Panama Canal

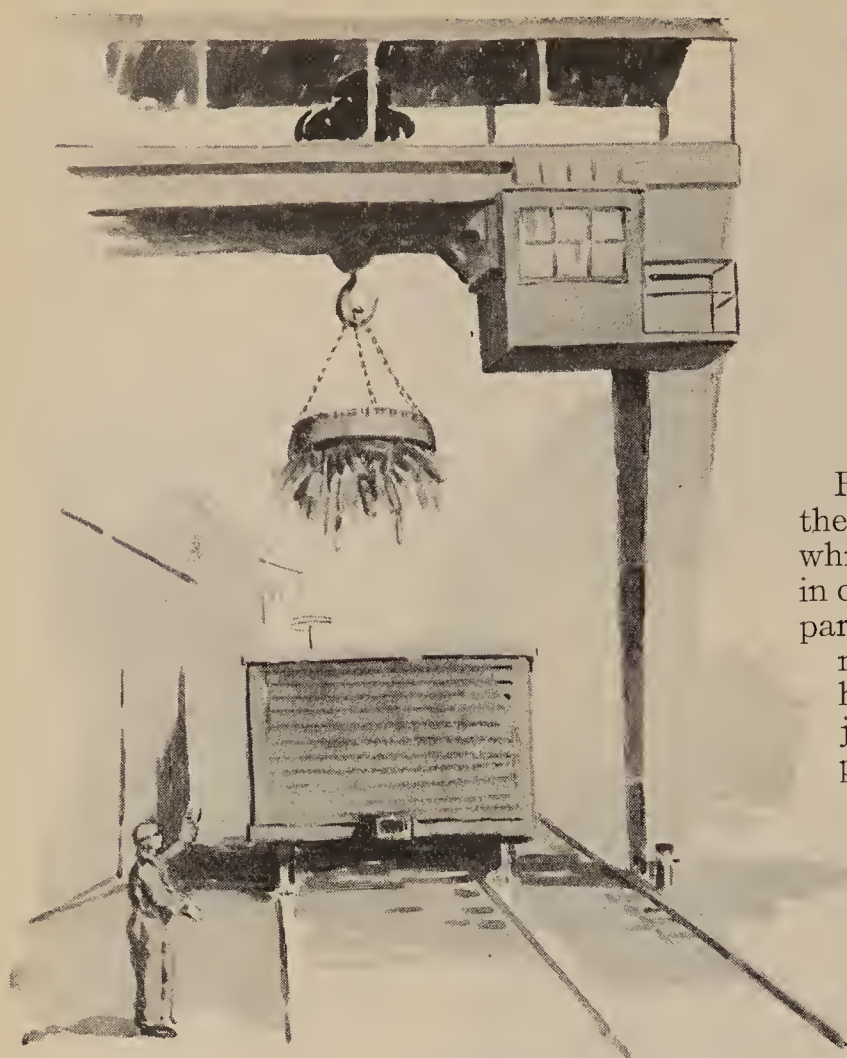


The Washington Cathedral, Washington, D.C., dons an Easter garb of light. G-E projectors were used in the floodlighting

Pulling Dollars Out of the Scrap Can

Our Salvage Departments Do Their Best to Redeem the Huge Quantities of Waste Material

By C. H. McKnight



This big magnet does the work of many men

BEFORE the World War salvage meant the saving of abandoned ships. Since then the term has come to mean the saving of anything which would otherwise be lost. It is a far cry from the perilous rescue of a ship's cargo at sea to the routine collection of scrap cans in the shops. But the spirit is the same.

Last year our Company again wasted 42 per cent of all metals worked including everything from aluminum to zinc. Everyone is becoming interested in ways of cutting down this waste, and hand in hand with this problem goes that of saving what we can out of what is wasted.

In 1928 our metal scrap amounted to 252,000,000 pounds—10,500 pounds for every man and woman in the factories engaged on productive work. From the waste was salvaged \$3,700,000 worth of metals by the crews which manned our magnetic separators, alligator shears, baling machines, skull crushers, melting pots and other riggings used in the trade. Our Company spent \$400,000 last year in the operation of our salvage departments.

the manufacturer who wouldn't be bothered with learning the details of the scrap business.

Practically all scrap produced by the General Electric Company, aside from that used in our own foundries, is sold directly to consumers. And the consumer with an eye to low production cost is willing to pay a premium for scrap so classified and prepared as to enable him to use the material to best advantage. There is always a market for inferior scrap, but the difference between the value of poorly prepared scrap and that of scientifically prepared scrap is often very large. It is not difficult to understand this when the

Few people realize the intelligent care which must be used in classifying and preparing scrap for the market. The time has passed when junk dealers can purchase miscellane-

ous "run of the shop" scrap from manufacturing plants, and through their expert knowledge capitalize the lack of knowledge on the part of

consumer's requirements are understood.

Copper scrap offers one of the most interesting examples, and since all of our copper scrap is sold to refiners of electrolytic copper, a few facts pertaining to the refining of copper are of interest.

How Copper Is Refined

The copper refiner starts with low-grade copper-bearing material such as ore, which is reduced in a smelter to metallic form and cast into rough pigs known as blister copper. The smelter eliminates most of the impurities, such as iron, and these are carried off with the furnace slag. The pigs of blister copper are then remelted in an open hearth furnace, and while the metal is in the molten state it is stirred with long poles of hard wood which absorb still other impurities as the wood turns to charcoal. The metal is run from this furnace and cast into slabs about three feet square, called anodes. The anodes are immersed in electrolytic tanks and the copper is then deposited by electro-plating from the anode slabs on to thin "starting sheets" of pure copper which, over a period of about three weeks, build up to a weight corresponding to that of the original anode slab. During the electro-plating process the remaining impurities settle to the bottom of the tanks and are sludged off to be further refined for gold, silver and other precious metals. The cathodes or slabs which are built up by electro-plating, are again melted, further refined by poling to eliminate gases and cast into bars which are ready to be drawn into wire.

In recent years copper refiners have become large purchasers of copper scrap and are able to introduce scrap at various stages of the

We worked 595,000,000 pounds of metal in our G-E shops last year.

Of this, 252,000,000 pounds were wasted!

This article tells how our salvage departments are trying to reclaim some of the value of this wasted material.

refining process, depending on its purity.

In the preparation of copper scrap at our Works we are compelled to ship some copper so badly contaminated with iron as to force the refiner to smelt it. But our first aim is to give the refiner copper which can be started much later in the refining process.

Steel, Brass and Alloy

Likewise, the steel mills are interested in cutting corners when proper grades of scrap can be obtained. Mixed iron and steel borings are only suitable for blast furnace use. When steel turnings are kept separate and crushed, they may be charged directly into an open-hearth or electric furnace.

Brass mill operations demand that a relatively large percentage of scrap be used. The brass mills are consequently in position to pay excellent prices for yellow brass rod turnings which have been kept free from iron, aluminum, or turnings from brass castings which, although similar in appearance, do not have the same metallic contents.

Turnings from alloy castings are purchased freely by producers of standard alloy ingots which are sold to the alloy casting trade. The presence of even a small percentage of aluminum or yellow brass rod turnings reduces the value of turnings from alloy castings about \$30 per ton.

Salvaging White Metals

The white metals—or lead, tin and zinc—are of particular inter-

est to the salvage man, because he realizes that these metals once mixed are extremely difficult to separate. The presence of the slightest trace of zinc, commonly introduced in the form of brass, practically destroys the value of babbitt as a bearing metal until it has been put through a very elaborate refining process. Our Company uses two types of babbitt, one running very high in tin content and the other high in lead. Great care must be used to avoid mixing these babbitts because a mixture of the two is practically worthless as a bearing metal.

The man engaged in salvage work must take a miscellaneous lot of material as he receives it and with a minimum amount of labor separate and prepare materials which must meet rigid specifications if the best value is to be realized. He receives what may properly be called "junk" and converts it into a staple product. He is continually discouraged by receiving containers of valuable metals on which he would have to perform very little work, except for the fact that someone carelessly threw in a shovelful of foreign material. Our salvage men, for instance, are forced to sell many tons of alloy turnings each year at a sacrifice because the turnings were collected in oily containers which had previously held aluminum turnings. The magnetic separator is useful in removing iron from copper, brass and alloy turnings, but the process is slow and much labor could be saved if the metals had never been mixed at all.

During the year 1928



The "skull crusher", dropped from its huge magnet, breaks up discarded castings

our salvage departments, through application of all known methods of economically separating materials, and at a cost of \$400,000, were able to dispose of our waste materials for the sum of \$3,700,000.

But if more care had been exercised in the shops, before the scrap came to the salvage departments, the chances are that even more would have been saved—and at less cost.

Before our salvage departments can work at their fullest efficiency there must be even greater cooperation on the part of those in the shops than there has been in the past. Suitable containers should always be on hand to collect the different grades of scrap. The shop personnel, from foremen to sweepers, should contribute by helping to keep different materials separate on shop floors. When this is done the expense of separating scrap will not only be reduced, but we will receive a very much higher price for our metallic waste.



Alligator shears cutting waste metal into convenient lengths

Light's Golden Jubilee Announced

Great Event in Lighting History Promises to Focus the Attention of the Entire World on Lighting

BY CARL W. MAEDJE

THIS year marks the 50th of fifty golden years of lighting and electrical progress. And October 21st will mark the 50th anniversary of Thomas A. Edison's invention of the first practical incandescent lamp, the very cornerstone over which the great electrical industry has raised itself.

This golden year, then, and that golden day offer not only the vast lighting industry but the entire civilized world that long-awaited-for opportunity to pay a fitting personal tribute to the master inventor for the greatest of all his gifts to mankind, and that opportunity to celebrate fittingly the 50th birthday of the incandescent lamp, both with a Light's Golden Jubilee.

According to extensive plans already taking shape, Light's Golden Jubilee will be just as much an occasion for serious retrospect, profound appreciation and genuine inspiration as it will be a celebration, gala, festive and jubilant. It will be a celebration exclusive to no one company, no one industry, nor will it be limited to any single nation. It is upon the people of the world, upon a grateful people, that the blessings of Edison have been showered.

Light's Golden Jubilee received its first formal suggestion on Edison's 82nd birthday. At a luncheon of the Edison Pioneers, those men who were associated with Edison in his pioneering days, their fellow member, John W. Lieb, tentatively outlined the celebration. The pioneers then unanimously approved the following resolution:

"Resolved, that the President of the Edison Pioneers be requested, and he is hereby authorized, to appoint a committee of five from its membership to propose to the electrical industry at large the organization of a Sponsoring Committee which may prepare plans for the appropriate celebration of the Golden Jubilee of the Incandescent Lamp occurring during the year 1929."

Light's Golden Jubilee Sponsoring Committee, which is now being formed, will have at its disposal an adequate organization to plan, to direct, and to co-ordinate the many events and activities of the jubilee. It is expected that the time until June will be devoted to crystallizing and perfecting plans and organizations, and preparing essential literature. It is the general plan to start the first of a great series of events relatively early, with the thought of leading up to a tremendous climax on October 21st—the 50th birthday of the incandescent lamp. October 21st will be "The Night of Light" and will be the occasion of a celebration and tribute to Thomas Edison which will encircle the globe.

The jubilee will be magnificently supported by Henry Ford, Edison Pioneers, and close personal friends of Thomas Edison. All of Edison's original laboratories and machines are being moved to Dearborn, Mich., where Menlo Park will live

again and through the years as part of the great Ford Museum of American Industry. Henry Ford's plans in connection with the jubilee celebration will be announced later.

Light's Golden Jubilee makes it timely to consider the tremendous progress that has been made in lighting during the past 50 years. It may be summarized in this way:

Light one room with a 100-watt Mazda lamp for 1000 hours. Light another room to the same degree of brightness with replicas of the first commercial incandescent lamp. Pay seven cents per kilowatt-hour for current. Now light a third room just as brightly with candles, and keep replacing the candles for 1000 hours. Here would be your light bill at the end of that time:

Room 1—100-watt Mazda lamp.....	\$ 7.35
Room 2—Original incandescent.....	68.75
Room 3—Candles	1500.00

Those figures tell the story of the greatness of Edison's gift to the world of light and 50 golden years of development which are incorporated in the Mazda lamp of today.

Navy Official Expresses His Appreciation

WHEN the United States battleship *Utah* was preparing to meet President-elect Hoover while the latter was on his "good will" mission to South and Central American countries, officials of the Navy Department were urgently desirous of obtaining one of the high-frequency radio transmitter sets which were being built by our Company for the Navy so that it could be installed on the *Utah*.

On receipt of word to that effect, the Radio Engineering and Production departments and the factory co-operated so effectively and met the request so promptly that it elicited the following letter from Admiral C. F. Hughes, Chief of Naval Operations, to President Gerald Swope:

Permit me to express my appreciation to the General Electric Company for expediting delivery to the

U.S.S. *Utah* of the Model TAF high-frequency radio transmitter.

Through the use of this equipment, it was possible to keep in direct touch with Mr. Hoover's party daily, and almost constantly, during the entire trip from Montevideo. Several thousand words of press and official traffic were handled daily, a fact which no doubt greatly aided the success of the "good will" mission.

To which President Swope replied:

Dear Admiral Hughes:

I want you to know how much I and all our organization appreciate your kind letter of January 10th, expressing appreciation of the service that we rendered you in expediting the delivery of the high-frequency radio transmitter for the U.S.S. *Utah*.

I am glad that we were able to be of service and particularly delighted at your words of appreciation, which will enhearten all the members of our organization who contributed to this result.



Owen D. Young Presiding Over Reparations Committee

Mr. Young Tackles His Hardest Task

BY EDWIN L. JAMES

OWEN D. Young long ago got used to tackling big jobs, but nothing he has ever undertaken has equaled in scope and importance the task he now has in hand of creating a world bank. J. P. Morgan is helping him work out the plans.

This American super-business man who masters today's difficulties while dreaming of the future is trying to build on the need for reparations machinery an institution which promises to have an influence on the business and the material fortunes of hundreds of millions of people.

True, the suggested bank would be created on the necessity for an institution to handle the payments made by Germany to the former allied nations, but a mere reading of the communiqué by which the committee of experts announced the tentative plans shows its authors hope that an international financial institution may create for itself a position which will make it worth while preserving as a permanent thing. What its authors, chief of whom is Mr. Young, foresee is an institution which finally may serve the banks of all countries by coordinating their international needs and accommodating their demands for exchanges in a fashion to pro-

tect the moneys of all nations against the ills which might flow from mishandling national banking needs.

The Work of the Bank

Think of it! A bank to handle, first, the German reparations of some \$8,000,000,000, then the inter-allied debt payments to America of another \$10,000,000,000 and so on, as fortune may direct. And then in the future to play a role in international finance never yet filled by a human institution. It is no mean undertaking, and whether it suc-

This article on Mr. Young is reprinted from a recent issue of the New York Times by special permission, and should be of interest to every employee of our Company.

In speaking of it, President Swope said: "It is admirably written and gives a very good picture of Mr. Young's methods and attitude, expressing his patience, kindness and sympathy, and the desire to get the other fellow's point of view before coming to his own conclusions."

ceeds now, whether for the present such a grandiose conception can triumph over the nationalism which will oppose it, Mr. Young and his committee have launched an idea of which much will be heard.

In the work of the new reparations committee, Mr. Young has be-

come the central figure. He would not like that to be emphasized, he may not forgive me for saying so—but the fact remains. It seemed ordained from the start that he would play the major role. Soon after the statesmen of Europe conceived the plan to complete the reparations settlement, Mr. Young was suggested for chairman and director of the work of the new body.

When first approached, he demurred. After consulting President Coolidge, he demurred further, for then the President thought, since America would not be represented officially, and since European politics might well be reflected in a manner to oblige Americans to appear to take sides, that a European had better head the committee. On top of this came the unanimous invitation by all the other experts framed by Governor Emile Moreau of the Bank of France, asking Mr. Young to direct the work of the new body.

Interview with Coolidge

While Mr. Young is not talking about what ensued, his friends relate that he expressed to Mr. Coolidge the idea that the President should assume the responsibility of his not accepting the chairmanship, or otherwise it would be most difficult for him to reject the honor of-

ferred to him. It is not known what the President said, but it is understood that Mr. Young and Mr. Morgan arrived in Paris with their hands free.

The day after their arrival Mr. Morgan investigated the possibilities of finding a European chairman, and when he saw the difficulties in the way of an agreement on any delegates from the directly interested parties he had a talk with Mr. Young, which resulted in Mr. Young's accepting the chairmanship, unanimously and enthusiastically proffered by all the other delegates.

While naturally Mr. Young's selection was in the way of a tribute to the neutrality of the United States in the debate on how much and over how long a period the Reich should pay the Allies, it also was a tribute to Mr. Young personally. Europeans did not forget the leading part the distinguished American economist had played in drafting the Dawes plan, which brought order out of chaos that had attended the reparations issue up to 1924. General Dawes presided over the first experts' committee and so his name was placed on the completed plan, but General Dawes would be the first to credit Mr. Young with writing many of the most important features of the plan which restored Germany financially and started the payment of reparations on a safe and sane road.

Once General Dawes was asked, after he had expatiated on the great role Mr. Young had played, what he himself had done. He said, "well, Owen told 'em what to do and then I told 'em they ought to do it, because there's no use asking for what you are not going to get," and unquestionably the geniality of General Dawes played a valuable part in obtaining acceptance of the ideas Mr. Young and others incorporated in the Dawes plan.

Now the second experts' committee has a different sort of chairman. Quiet, patient, suave, Mr. Young presides successfully because he presides so little. No abruptness, no harsh calling to order, but always soft suggestions and emphasis on points on which the debaters agree,

rather than emphasis on points on which they disagree, and the chairman keeps them in good humor.

Mr. Young wished the second experts' committee to be known as the second Dawes committee, but something interfered with that plan, although surely not of his doing. And now it is a good bet that the present committee will be known as the Young committee, and perhaps his name will be tied to the proposed international bank if it comes into being. With Mr. Young's initiative and Mr. Morgan's support on the American side, and with sympathetic support from the European experts, even if European opinion is not sold on the idea, it may be guessed that the infant project has more than a fair chance.

Knows His Committee

Scientific, Mr. Young is also human. He represents the rare combination of an expert knowledge of business with a keen judgment of human nature. He has studied every man on the experts' committee, and it is a safe surmise he has his own private way of reaching each one effectively when he thinks the need has arisen.

Commenting on Mr. Young's presiding, Thomas W. Lamont said the other day: "He is the most helpful chairman any committee could have. He invites full discussion in such a confidential, kind way that everybody explains his difficulties and opinions as if they were telling their troubles to a Father Confessor. The discussion may go all around the table, back and forward, and seem at times to get ragged and away from the point, but when he thinks the subject has been exhausted Mr. Young will sum up in

such a clear manner that everybody at once discovers his own ideas put forward in more concise fashion than he could have done himself, and will suddenly see the situation clarified and exactly as he would have liked to express it. He hears everything and notes it in his mind, without appearing to make the least effort, and can draw the best out of all those with whom he works."

Chairman Young is 55 but looks ten years younger. He is tall, slim and studious looking, with great dignity. He knows how to smile and he speaks his most ponderous sentences with a twinkle in his eye which one notices only at the end of his paragraphs. I saw him on the eve of the start of the work of the experts' committee. Reclining on a chaise longue in the salon of his suite in the Ritz Hotel, he toyed with a recalcitrant pipe, not shaped like the Dawes pipe, and when I reviewed some of the positions and promises of European statesmen he listened, lit his pipe once more, and remarked, "Yes, but you have got to take the whole thing together," and that remark showed why Europeans wanted him for chairman.

For while Europeans look upon Mr. Young as a super-American, they also look upon him as a super-American to be respected and admired and trusted—which is not the way Europeans look at all claimants to the title of super-American. One finds the British and French on the one hand, and the Germans on the other, feeling they will get a square deal from Mr. Young and that what he recommends is always worth the most serious consideration.

(To be concluded in the May 17th Issue)

Death Claims Paid During Month of February, 1929

Years	Date of Death	Employee	Age	Beneficiary	Free Ins.	Add'l Ins.
<i>Schenectady Works</i>						
1928						
5	Sept. 28	Dominick Colangelo	31	Mother	Yes	Yes
1929						
21	Jan. 13	William A. Miller	63	Wife	Yes	Yes
26	Jan. 15	John Grubaski	49	Wife	Yes	Yes
33	Jan. 16	Conrad Krieger	69	Wife	Yes	Yes
17	Jan. 17	Mary Grabosky	59	Children	...	Yes
14	Jan. 18	Mary Lanois	63	Estate	...	Yes
12	Jan. 20	Abrem. T. Steers	57	Wife	Yes	Yes
5	Jan. 22	Malcolm B. Settle	28	Wife	Yes	Yes
23	Jan. 23	Frank S. Osinski	47	Wife	Yes	Yes

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Add'l Ins.
<i>Schenectady Works (Cont'd)</i>						
27	Jan. 31	William L. Mathias.....	68	....	...	Yes
30	Feb. 1	James A. Kidd.....	56	Wife	Yes	Yes
5	Feb. 2	Louis C. Pettit.....	44	Wife	Yes	Yes
15	Feb. 5	Steve Vasko.....	40	Wife	Yes	Yes
17	Feb. 7	Alexander Donowski.....	65	Wife	Yes	Yes
18	Feb. 7	Charles A. Bell.....	61	Wife	Yes	Yes
5	Feb. 11	Theodore R. Schermerhorn.....	31	Wife	Yes	Yes
23	Feb. 13	James McMillan.....	49	Wife	Yes	Yes
6	Feb. 15	William P. Taylor.....	53	Wife	Yes	Yes
28	Feb. 19	Daniel W. Mullen.....	70	Wife	Yes	Yes
11	Feb. 20	Frederick W. Lukens.....	60	Wife	Yes	Yes
<i>River Works</i>						
1928						
13	Oct. 3	Peter Hanlon.....	64	Son	...	Yes
1929						
25	Feb. 5	Sydney Strand.....	56	Wife	Yes	Yes
10	Feb. 9	Michael McMahon.....	51	Wife	Yes	Yes
<i>West Lynn Works</i>						
1928						
19	Dec. 12	John F. Ring.....	57	Son	Yes	Yes
1929						
5	Jan. 27	William F. Ryan.....	38	Father	Yes	Yes
<i>Pittsfield Works</i>						
1928						
15	Oct. 22	George Schutter.....	38	Son	Yes	Yes
1929						
18	Jan. 25	Albert E. Wing.....	46	Wife	Yes	Yes
10	Jan. 27	Patrick McDermott.....	52	Wife	Yes	Yes
2	Jan. 29	Mikolaj Salisz.....	40	Wife	Yes	Yes
21	Feb. 3	Edward M. Bliss.....	62	Wife	Yes	Yes
4	Feb. 4	Robert O. Blaney.....	20	Mother	Yes	Yes
24	Feb. 4	Benajmin A. Frank.....	58	Wife	Yes	Yes
20	Feb. 21	Joseph G. Lanois.....	46	Wife	Yes	Yes
<i>Erie Works</i>						
1928						
7	Dec. 13	Antoni Toflenski.....	49	Son	Yes	Yes
1929						
3	Jan. 5	George J. Spagel.....	39	Wife	Yes	Yes
1	Jan. 18	Kenneth Shaffer.....	24	Wife	Yes	Yes
18	Feb. 10	Matthew Griswold.....	62	Wife	Yes	Yes
<i>Bloomfield Works</i>						
3	Feb. 1	Henry L. Crane.....	54	Sister	...	Yes
<i>Bridgeport Works</i>						
2	Jan. 16	Mary Gabrys.....	20	Husband	Yes	Yes
<i>General and District Offices—General Office</i>						
15	Jan. 27	Marguerite M. Ferretti.....	30	Mother	Yes	Yes
<i>Los Angeles</i>						
1928						
13	Dec. 10	Hart P. Johnston, Jr.....	38	Children	Yes	Yes
<i>New York District</i>						
1929						
19	Feb. 25	John McSorley.....	50	Wife	Yes	Yes
<i>Incandescent Lamp Dept.</i>						
5 mos.	Feb. 23	Minnie Wachhaus.....	27	Husband	Yes	No
2	Feb. 24	Lillian Toner.....	28	Sister	...	Yes

	Free Insurance		Additional Insurance	
	No.	Amount	No.	Amount
Claims paid month of February, 1929.....	39	\$50,337.30	41	\$68,000
Previously reported.....	43	45,519.91	41	53,500
Total claims, 2 months, 1929.....	82	\$95,857.21	82	\$121,500
Total claims paid since adoption of plan.....				\$4,730,735.00

Disability Claims

Location	Employee	Add'l Ins.
River Works.....	Thomas V. Crossley.....	Yes
Erie Works.....	George Wilson.....	Yes
Fort Wayne Works...	Edward C. Scharpenberg.....	Yes
General Office.....	Paul E. Anderson.....	Yes
Disability claims approved February, 1929.....	4	\$ 6,000
Previously approved, 1929.....	4	6,000
Total claims approved 2 months.....	8	\$12,000

Boost Blowers in April

THE Industrial Dept. has forecast the weather for the entire month of April—it will be showers and showers of sales of G-E Centrifugal Compressors.

This is the fifth of the Industrial Dept.'s Special Sales Campaigns, which got away to a good start in March, 1928, when Types BD and CD direct-current motors took a turn for better on the sales curve. In May followed industrial control with a considerable gain in sales over the same month of the previous year. In July arc welding was well on its way to break a record, and the SCR single-phase motor campaign in October made the wheels whirr at the Pittsfield Plant as never before on this product.

Backed by a splendid record of results in these previous campaigns, the Industrial Dept. enters the market for centrifugal compressors with a determination and conviction that the sales of G-E blowers will at least be doubled if not tripled.

All during this month publicity is steadily hammering away at the market strongholds to help the salesmen bring in the business. Dominant magazine advertising, widespread direct mail publicity, a regiment of up-to-the-minute descriptive sheets, blotters, stickers, and posters—all are swinging into action in this big campaign.

Safety Contest Report Shows Increase in Accidents

THE February report of the Interplant Safety contest shows a decided increase in accident rates in several of the larger plants. Fatal accidents are reported at Schenectady, River Works, Fort Wayne and Philadelphia. New Kensington and York are tied for the lead, neither plant having had an accident as yet.

Following is the standing of the plants. An asterisk denotes improvement over the previous month.

DIVISION No. 1	DIVISION No. 2
New Kensington	Pittsfield
York	Erie
*West Lynn	ALL PLANTS
*Baltimore	Schenectady
*Bridgeport	Fort Wayne
*Oakland	Philadelphia
*Bloomfield	River Works

Germs Pack a Wicked Wallop

These Tiny Organisms Carry Disease with Them Wherever They Go

By H. W. GARTON, *Fort Wayne Works Physician*

IN my last article I tried to make it perfectly clear that illness is by far the greatest cause of lost-time in industry. I also showed, by means of figures taken from a typical industry, that *respiratory diseases*, headed by the so-called "common cold," stand head and shoulders above all the rest as a cause of absence. Since these respiratory diseases cause about 50 per cent of the total lost time due to illness, they deserve a proportionate amount of discussion. Therefore, although I have talked about them a good deal in my articles, I shall continue to talk about them even though I repeat. They are the common property of us all, and easy to acquire, yet they are expensive enough in the end to be considered a very great luxury.

One of the most important points to be re-emphasized in connection with this subject is that the term *respiratory diseases* includes a large number of afflictions. They all have this in common—they are caused by germs, microscopic in size, which gain entrance to the body through the victims' nose and throat. And they must be planted there in some manner. The planter is another victim who, having an over-supply of these germs, doesn't care how he gets rid of them and so exposes other people.

Germs, microbes, bacteria (call them what you like) cannot crawl, creep, walk, run or fly. Unaided, they have no means of transportation; yet with the *aid* of man they are able to travel from person to person, spreading disease in their wake. A mother microbe with her family of several hundred youngsters can deftly ride to new fields of adventure cuddled up in a tiny droplet of spray emitted from Mr. A's mouth as he coughs, sneezes, or

woefully informs Mr. B at close range that "sprig has cub."

It is also worth while to recall that what may in the beginning appear to be "only a cold" may be

and eyes is the man to be kept at long range!

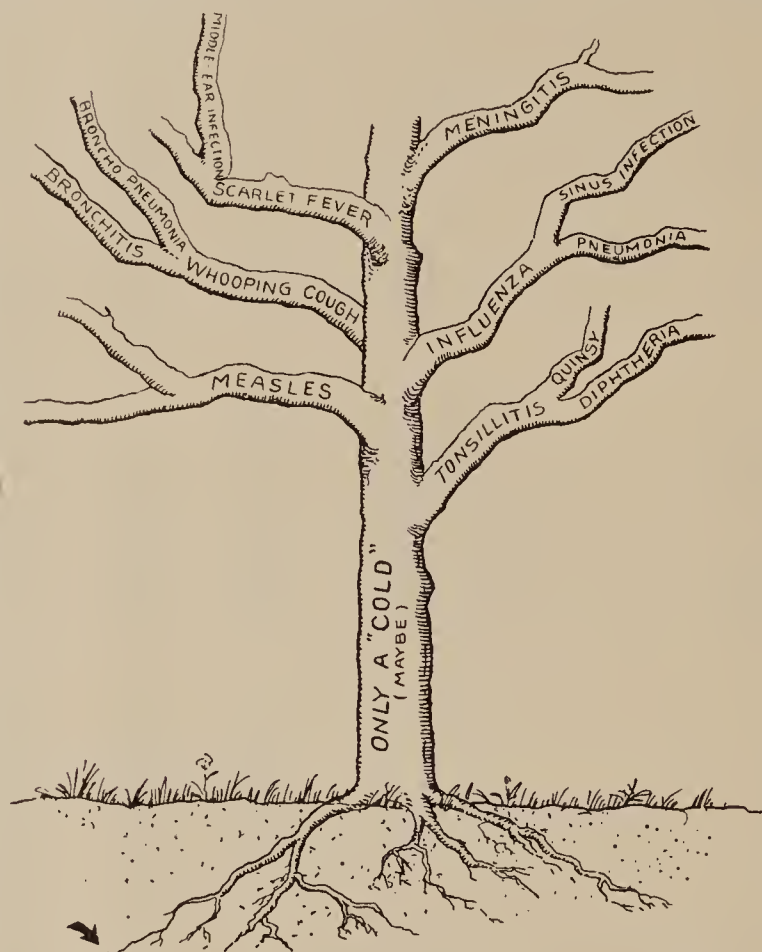
The prevention of *all* the acute respiratory diseases is a problem that is far from being solved. One can be made immune to diphtheria and small pox by vaccination; and scarlet fever is following closely on the heels of diphtheria in the matter of prevention and cure. But with most of the others, especially influenza and the unnamed "common cold," man is still fighting a losing battle.

When we stop to think that an attack of this latter, and commonest disease, does not insure us against further attacks, the difficulty of making the individual immune by artificial means (as is done in diphtheria and small pox vaccination) is plain. Whether the problem will finally be solved in the laboratory, or whether our only hope of escape is by taking good care of ourselves, remains to be seen. At any rate—until there are further development—our best bet seems to be to observe the following points:

1. The correction of local defects in the nose and throat—defects which render one more susceptible to respiratory infections.

2. The observance of personal hygiene. This covers one's entire method of living. Diet, exercise, rest, recreation, proper ventilation and heating of homes, are important factors in the task of keeping oneself fit—and physical fitness probably has considerable to do with the amount of one's immunity to these diseases.

3. Prevention of spread from one individual to another during acute stage, by covering up when coughing and sneezing, and by avoiding close-range conversation. This is probably the one best means of combating the spread of these diseases.



A MICROBE—IDENTITY UNKNOWN UNTIL FULLY DEVELOPED

One Little Germ Can Raise a Lot of Trouble

the first sign of a case of influenza, measles, whooping cough, diphtheria or any of the other numerous diseases which are truly classified as respiratory diseases. In fact, practically all of these more serious respiratory diseases begin with the milder symptoms of the so-called "head cold." Since they are all highly contagious during this very first stage, it is clear that this is a very dangerous stage—one in which many people may be exposed before the real nature of the disease is established. We, therefore, repeat that *the man with the weeping nose*

Watch Your Health

GIRLS' SECTION

Elex Has St. Patrick's Party

MARCH 15th was the date of the Elex St. Patrick's Day party which was attended by 62 members of the club. Bridge, pinochle and bunco were played as part of the entertainment, prizes being awarded the following girls: bridge, Irene Fox and Hulda Rodenbeck; pinochle, Joe Magers and Myrle Strauss; bunco, Valeria Murray and Velma Schott. As a special feature of the affair, Miss Amison, industrial secretary of the "Y," led a cakewalk in which all participated. This was a grand march, at the conclusion of which the person standing in a predetermined lucky spot won the prize. Miss Bernice Rolfes was the lucky winner of the St. Patrick's cake which was the prize.

Building 16-2 was beautifully decorated for the affair. A canopy of green and white crepe paper covered the entire ceiling, while each girl received a green paper hat. The tally cards were shamrocks, and even the refreshments carried out the green and white color scheme. French pastry in the shape of shamrocks was supplemented by salad (green of course) and green candies.

The party was greatly enjoyed by all present. Special guests of the evening included Mr. and Mrs. W. Chester Lutz and Bernice Rolfes, New York City, who were here directing the G-E club production, "Oh, Ain't Love Grand!" Ruth R. Hawkins, general secretary of the Y. W. C. A., and E. Anne Amison, industrial secretary.

March 6th: The regular weekly meeting of the Elex club was held in Bldg. 16-2, starting at 5:30. There was a short business meeting before supper. Immediately after supper members were entertained by the Elex burlesque show, featuring the rainbow chorus, composed of Mary Ulmer, solo dancer, Marie Blough, Louise Lawson, Bessie Smith, Mary Thomas, Marie Smith, and Louise Hilger.

The following gave solo dances: Mary Ulmer, as Miss St. Patrick; Irene Meyers, talented Hula dancer going under the name of Madame Salome; Jo Magers, posing as Madame Mozell, a bathing beauty from Palm Beach, in beach robe and a large picture hat; and again Irene Meyers, this time modestly portraying September Morn (in a barrel). Mary Ulmer is a very talented dancer, but what the audience thought of the others would be hard to judge, as all their efforts were greeted by gales of laughter. The show was concluded by a song by the rainbow chorus. Mrs. Lillian Garihan accompanied at the piano.

This meeting had the largest attendance of any weekly meeting this year, 78 members being present. Following the burlesque show, dancing was enjoyed, and classes were held in harmonica and ukelele. These are being taught by Floyd Saylor and Bert Brown.

March 20th was the occasion of an unusually peppy meeting at the Y.W.C.A. The industrial girls' club of Van Wert, Ohio, were guests of the Fort Wayne Federation and a special program was planned for the evening by Irene Meyers, chairman, and her committee. Elex repeated the burlesque show, which nearly caused a riot, while Dudlo had a band composed of girls who performed on toy instruments. The next feature was a style show staged by Wolfe & Dessauer, showing the new spring styles. This was followed by games and dancing, which were so much fun that the girls were reluctant to go home. It is hoped that more meetings like this may be held and everyone have such a good time that they will want to be present every Wednesday.

The Elex girls are enjoying some mighty good times together, and if you are not attending regularly you had better reserve Wednesday night.

Marguerite Wolford Celebrates Birthday

MARGUERITE Wolford, Small Motor Dept., Bldg. 17-2, was pleasantly surprised at the home of her parents, Mr. and Mrs. C. E. Wolford, 2122 Lafayette St., March 11th. The occasion was her birthday, and when she returned home after giving a music lesson she found her friends gathered there to greet her. During the evening the group played bunco and Miss Wolford presented vocal and instrumental numbers. In the bunco contest prizes were awarded to Andaline Imler and Mrs. Joe Kline. Later the guests were invited into the dining room where a luncheon was served. A color scheme of green, white and orange was carried out in the table decorations. Tall tapers burned at each end of the table and a large birthday cake made an effective centerpiece.

Those present were: Genevieve Ayers, Luella Motter, Flora Maples, Andaline Imler, Audra Sullivan, Lucille Sweet, Matilda Salsbury, Mildred Wolford, Marguerite Wolford, Alma Kline, Dorothy Wesling and Lillian Wilkinson.

Meter Dept. Girls Honor Co-workers

A GROUP of girls in the Meter Dept. united in entertaining at a combined birthday surprise party for Alma Beaver and a shower for Laura Watt, who left March 1st. The party was held February 27th, at the home of Caroline Hans on Dodge Ave. For a time the girls played pinochle, then were invited into the dining room where a delicious luncheon was served. During the course of the luncheon each honor guest was presented a lovely gift, Ruth Lindeman making the presentation.

Miss Watt was married March 9th to Herman Heensoth, of Chicago.

Present besides the two honor guests and the hostess were: Ruth Lindeman, Winifred Hall, Vera Pancake, Eleanor

Roehbel, Adele Kuckuck, Florence Ruete-baugh, Josephine Offerle, Gladys Bucher, Edith Jones, Catherine May, Wilma Buuck, Dora Mae Peffley, Irene Meyers and Ruth Hans.

Fanchon Nitz Entertains

ON March 11th, Fanchon Nitz entertained a group of her associates in the Meter Dept. at her home 551 Stadium Drive. The girls played the game of "hearts" with the result that Bessie Smith and Marcella Weinman were fortunate in winning lovely prizes. After the games the hostess served a delicious two course luncheon. Besides the hostess, Ruth Dixon, Bessie Smith, Marcella Weinman, Caroline Hans, Marie Ehrman and Irene Meyers enjoyed the party.

Entre Amis Club Events

THE Entre Amis club composed mostly of girls employed in the Meter Dept., went to the Shrine Auditorium March 5th, for their annual theater party and enjoyed "Gay Paree" appearing there that night. All the members of the club: Helen Stahl, Della Knoche, Ruth Stalter, Bertha Sordelet, Beatrice Stalter, Gladys Dixon, Ruth Dixon, Esther Pape, Irene Meyers, were present.

On March 19th, the club held its annual banquet at Miller's Tea Room. The club colors, lavender and gold, were used in decorating the long table. A low bowl of lavender and purple sweet peas, yellow carnations and green fern formed the centerpiece, and tall golden tapers furnished light. Following the dinner a short business meeting and an election of officers was held with Esther Pape presiding. In the election Ruth Dixon was chosen president; Helen Stahl, secretary-treasurer; Ruth Stalter, publicity chairman, and Bertha Sordelet, chairman of the service and flower committee. As this is a pinochle club, one of the customs is to award a prize to the member holding the highest number of points at the end of the year, and this prize went to Irene Meyers. After this the members enjoyed the show at the Jefferson Theater.

Mrs. Esther Shannon Drives to Los Angeles and Back

EVEN in this present era of progress it is quite unusual for a girl to drive more than half way across the continent and back all alone, but that is what Mrs.



Mrs. Esther Shannon

Esther Shannon, Bldg. 7-2, did. Mrs. Shannon is employed in the Wire and Insulation Dept., and as her health had not been good for some time she obtained a six months' leave of absence last fall and left October 1st, in her Chevrolet coupe, christened "Josephine", for Los Angeles where she has relatives and friends. She followed a route mapped out for her by the Fort Wayne Motor club which took her through Indianapolis, St. Louis, Kansas City and Garden City, Kansas; Las Vegas and Santa Fe, New Mexico; Flagstaff, Arizona, and Needles, California.

It was at Garden City that she began a gradual incline until Trinidad, Colorado, an altitude of 10,000 feet, was reached. Mrs. Shannon was much impressed with this city, surrounded by mountains barren of vegetation and seemingly composed of solid rock of many different colors. From Colorado she passed through Baton Mountain Pass into New Mexico, and on through this mountainous state into the desert lands of Arizona. It was much relief that she passed from the arid desert regions of Arizona to the cool valleys of California; valleys with orange groves hedged in by lofty, snow-capped, mountains. Ten days after leaving Fort Wayne she reached Los Angeles, her destination. There she enjoyed a much needed rest and also had a very interesting time. She visited San Gabriel mission where there is a grapevine 700 years old, went to Hollywood and saw movies in the making, attended the annual Rose Festival at Pasadena, and inspected a battleship in

San Pedro harbor. During her whole stay at Los Angeles she says the blue ocean, the beautiful white sandy bathing beaches and the lovely flower gardens were a never-ending source of joy.

Her health improved so wonderfully in a few months that she started home February 17th. This time, because of the winter in the mountains, she took a southern route. This took her through the Imperial Valley in southern California where there are such wonderful groves of fruits and English walnuts. For miles her course lay along the Salton Sea, a large inland salt water lake, and she traveled along the border between the U. S. and Mexico for long stretches. Again she crossed the painted deserts of Arizona and in a mountain pass encountered a snow and sleet storm, which, however, lasted only a short time.

Through the big state of Texas she found very bad clay roads, but the most interesting thing was the landscape dotted with oil wells. The bad roads continued into Arkansas and she crossed toll bridges at several places and in two instances was ferried across streams. When she reached Memphis, Tennessee, she found the road which she had been directed to follow impassable on account of high waters, and was obliged to detour.

This course took her for miles and miles along the Mississippi river through the flood districts and in many instances she drove through water not knowing how deep it might be. "I was scared to death," said Mrs. Shannon, "but had to go on." At Cairo, Illinois, she ferried across the Mississippi river which took about two hours. From there on the roads were very good and more familiar, and on February 27th she reached Fort Wayne, having spent only ten and a half days on the return trip. On the outgoing trip she covered 2600 miles while on the return, the speedometer registered 3000 miles. Mrs. Shannon says it was a wonderful experience and she feels that "Josephine" is a real pal.

Do You Know . . .

That human carelessness is costly?

Now that spring is here and the spirit of renovation is awakened, fish out all that old forgotten stuffed-away refuse, trash, bits of paper, old rags, etc. Make a clean sweep in the yard, the cellar and the attic and by so doing sweep out the Fire Demon.

The smoldering heat of summer will sometimes cause spontaneous combustion if trash is allowed to accumulate in these places.

Because of Carelessness!!! Let's Clean up!

Weddings

Deetz-Schultz

On February 23rd Willis Deetz, Maintenance Dept., and Inez Schultz, of Kendallville, were united in marriage by Rev. A. J. Folsom at the Plymouth Congregational church. Mr. and Mrs. John Fuller, Jr., brother-in-law and sister of the groom were the attendants. Mr. and Mrs. Deetz are now residing at 821 W. Jefferson St.

Surface-Houser

The marriage of Edith Houser, Small Motor Dept., Bldg. 4-3, and Wayne Surface, of Huntertown, took place March 2nd in the parsonage of the Methodist church at Huntertown with Rev. N. E. Smith officiating. Florence Brown and Abner Wolverton, both of Fort Wayne, were the attendants. Following the service a wedding dinner was served in the private dining room at Miller's Tea Room in Fort Wayne. Later the young couple left on a motor trip to Illinois. They will live near Huntertown, where Mr. Surface is engaged as an agriculturist.

Odier-Chupp

Marguerite Chupp, Small Motor Dept., Bldg. 4-4, and Herschell Odier, Winter Street Plant, were married March 10th at the home of the bride's parents, Rev. and Mrs. Clark E. Chupp, of near Osian, with Rev. Chupp officiating. Mr. and Mrs. Odier will reside in this city. Mr. Odier is the son of Mr. and Mrs. William Odier, of Huntington County.

Thomas-Felber

The marriage of Esther Felber and Marlowe Thomas, both of the Small Motor Dept., Bldg. 4-5, took place March 9th. Mrs. Thomas is the daughter of Jacob J. Felber, of Bluffton, and Mr. Thomas is the son of Mr. and Mrs. Samuel Thomas, of Portland.



Dear G-E Juniors:

From your nice jolly letters I know that all of you have been looking forward to spring, and now that it is really here I suspect that you are happily playing out-of-doors all of the time that you are not in school or busy helping your mothers. And because spring is such a beautiful season and it is so much fun to watch all the little green things come up, we have a "spring" puzzle this month; in it there are twelve "signs of spring." See how many of them you can find. I think that most of you will find all twelve of them, but if you find eight that are right we will count your answer correct.

In last month's puzzle it was the "Easter Rabbit" who hid the eggs. Prizes were sent to Ruth Rose, Germaine Rondot, Bernice Moore, Helen Hickman, and Dorothy Eynenberg at Fort Wayne and Kenneth Nyffeler and Guy Koos at Decatur. Besides these I received nice letters from Reginald Gerig, Richard Gerig, Bonnie McSorley, Harry McClure, Donald Kaiser, Alice Mae Seibold, Eleen McNulty, Dorothy Wyss, Eugene Wyss, Letha Click, Wanda Baker, Gladys McSorley, Arno Schelper, Victoria Wesling, Dorothy Murray, Dorothy Gebhart, Ruth Swank, Dorothea Prange, Robert Harruff, Elmer Devaux, Albert Devaux, and Betty Lee Wilson at Fort Wayne and Catherine Jackson, Dorothy Miller, Catherine Murphy and Romaine Raudebush at Decatur.

I am always glad to get your solutions to the puzzles and I enjoy reading your letters so much too. Ruth Rose has been quite sick. In February she had to have an operation for appendicitis but now she is getting better.

I wish that in your next letter to me each one of you would tell me the name of the person who brings you the WORKS NEWS and what relation they are to you. After this month there is only one more month in which to try for the big prize that we give each year to the boy and the girl who have solved correctly the most of our puzzles during the year. In the May issue of the WORKS NEWS we will publish the last puzzle for this year's puzzle contest, for in June, you know, we begin a new contest, and I hope that everyone of you will send me answers to both this month and next month's puzzles. I am quite as anxious as each one of you to know who will win.

Yours sincerely,

Jill

April Rain

It is not raining rain for me,
It's raining daffodils;
In every dimpled drop I see
Wild flowers on the hills.

The clouds of gray engulf the day,
And overwhelm the town;
It is not raining rain for me,
It's raining roses down.

It is not raining rain for me,
But fields of clover bloom,
Where any buccaneering bee
Can find a bed and room.

A health unto the happy,
A fig for him who frets!
It is not raining rain for me,
It's raining violets.

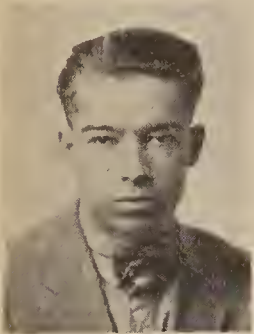
—ROBERT LOVEMAN.



HOW MANY SIGNS OF SPRING CAN YOU FIND IN THE PICTURE?

Everett Gearhart

AS Fort Wayne Works employees know, Everett Gearhart, Meter Dept., Bldg. 19-5, received a Charles A. Coffin Award on the suggestion he offered for a simplified gear train for certain meter registers. The story of Mr. Gearhart's award was featured in all of the G-E Works papers and in the news stories about the awards published in newspapers throughout the land.



Everett Gearhart

Mr. Gearhart is stock clerk in the Meter Assembly Dept., Bldg. 19-5. He is only 23 years of age and comes from the neighboring town of Markle. He came to our Plant five years ago as bench and machine hand in the department under foreman D. Daniels, where various meter parts were built. In a little

over two months, Mr. Gearhart was transferred to the meter stock room to assist in taking care of incoming stocks of finished parts and storing them in the proper bins. He continued work in this Assembly Dept. stock room, taking added responsibility as time went on until he became the clerk whose duty it is to see that there is always sufficient stocks of all parts to keep the meter assemblers supplied. It was through his unusual familiarity with the parts which go into the assembly of the various meters that Mr. Gearhart was able to make the suggestion that brought him the award.

It is characteristic of Mr. Gearhart to tackle aggressively anything which he undertakes. In his general manner this characteristic is quite in evidence. The suggestion which he offered indicates that he is a careful observer and this coupled with a good memory for details enables him to keep his job well in hand. Mr. Gearhart is to be congratulated on the favorable notice which his good work has received.

Fashion Hints



Darlingly Youthful

Design 2781

The style in geometric print in silk crepe, features the slender wrap-around skirt falling in soft drape at side. The bodice with flattering jabot frills terminates at side waistline with ornamental buckle, and is completed with scalloped linen vestee. It can be worn for street or afternoon. Georgette crepe, plain silk crepe, canton crepe, and crepe de chine, are also suitable for this charmingly youthful model. Pattern No. 2781 is designed in sizes 16, 18 years, 36, 38, 40 and 42 inches bust measure. Size 36 requires $3\frac{3}{4}$ yards of 40-inch material with $\frac{1}{4}$ yard of 27-inch material for vestee. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

Smart Drape

Design 3404

The jabot frill of bodice, combines with circular inset of skirt, that is topped by stitched tab and buckle, to give delightful expression of more feminine mode. Style No. 3404 is slender, youthful, wearable, fashioned of printed silk crepe with jabot frill of plain crepe in blending tone. Printed pique, sportswear linen, printed rajah, printed cotton foulard, wool challis and faille crepe are attractive and serviceable. Pattern furnished in sizes 16, 18 years, 36, 38, 40 and 42 inches bust measure. Size 36 requires $3\frac{3}{4}$ yards of 36-inch material with $1\frac{1}{2}$ yards of binding. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

We suggest that when you send for this pattern, you enclose 10 cents additional for a copy of our Spring Fashion Magazine. It's just filled with delightful styles, including smart ensembles, and cute designs for the kiddies.

Send your orders to Illustrated Fashion Features, Inc., Fifth Avenue and 29th Street, New York City.



—Used by courtesy National Safety Council

Foremen Meet Twice In March

TWO meetings were arranged by the Foremen's association for March. One of these was the third of the series of special dinner meetings for the discussion of manufacturing problems, at which members of the supervisory force and others interested in the subjects under discussion were present by special invitation.

C. H. McKnight, supervisor of inventory control for the Company, was the speaker at this meeting. Taking as his subject, "Wastage and Spoilage," Mr. Knight emphasized the possibilities of great savings in the reduction of waste and spoilage. It was gratifying to have the speaker compliment our Fort Wayne Works on the progress we have made in methods of reducing this great source of economic loss. In the discussion which followed, E. J. Graham, R. J. Hoffman, E. E. Miles, J. H. Breidenstein and R. H. Chadwick took active part. The discussion aroused a great deal of interest in the subject.

The guest speakers for the two former special dinner meetings were Mrs. Lillian M. Gilbreth, who spoke on "The Work Place and the Work Method," and H. W. Heinrich, of the Travelers Insurance Co., who talked on the general subject of "Safety." The average attendance at these meetings was approximately 300. The series proved highly interesting and certainly should be beneficial.

At the regular monthly meeting on March 27th, the program offered was arranged by the members in the Tool Division. Appearing on this program were Weaver's orchestra, Carl Geller, who sang and Raymond Kierspe, who presented several humorous monologues. An initiation of two candidates for membership, Walter Knoche, of Bldg. 27, and Mitchell Brown, of Bldg. 9, was also a feature of the entertainment. Following the program a buffet lunch was served. Frank Hoffman, Walter Greiner and Oscar Weitzman were in charge of arrangements and President R. J. Gollmer presided.

Athletics

The Fifth Boxing Card

IN the fifth and possibly last boxing match of the season for the G.E. club there was plenty of action. In the last bout Frankie Murphy of Glasgow, Scotland, in the second round, unintentionally landed one below the belt on Jimmy Sayers of Lafayette which terminated this fight. Sayers gamely agreed to go on with the bout if he were able, but after a half-hour in the dressing room was not in good shape to continue so the bout was declared at an end. In the full round that these contestants had mixed it there was plenty of evidence that theirs was to be a scrappy affair.

In the other number in the final windup Red Rodman in the last ten seconds of the final scheduled round stepped into a terrific right hook that landed square on his jaw and Fort Wayne fans saw him counted out for the first time. It is agreed that it was a good fighter that beat Rodman in this bout. His opponent Benny Ray of Detroit pummeled Rodman's body continually through their bout and had all the better of the infighting. However, Rodman frequently connected with a good long left that stopped his opponent momentarily. In two rounds Rodman had a shade the better of it and in two rounds held his opponent even. He fought so courageously throughout that he was given a big hand as he groped his way unsteadily from the ring.

In the preliminaries, Chick Wagner of Fort Wayne stopped Millard Jones of Van Wert in the third round and had him on the canvas taking the count at the end of both the first and second rounds. Jimmy Johnson of Fort Wayne and Willie Memoring of Lafayette staged a good fight in the opener but the Lafayette lad was a little too much for Johnson, whose seconds withdrew him from the ring after the fifth round. Charlie Maxwell of Lima refereed all the bouts.

The G-E Club Team Ends Good Season

THE G-E club basketball team has completed its second season on the hardwood court, playing a total of 28 games, 18 being on the home floor. The season can be termed successful when the class of talent on the schedule is taken into consideration. The locals stepped out of their class on several occasions playing teams of a more or less professional nature. It must be remembered that the G-E players are not paid for their basketball services and are expected to work full time. The G-E five won 15 games and lost 13. Among the most notable victories were the 32 to 30 victory over the Sandusky Big Reds, the 23 to 19 victory over the Rochester Oldsmobiles and the one sided victory over the St. Louis Americans. In defeat the G-E team looked fine in its games with the Flint Buicks, the Akron Firestones and the Toledo Red Men. The G-E five scored a total of 772 points to their opponents 759.

The G-E five during the season had its good nights and its bad nights; but on the whole the boys played good basketball. Had it been possible for the G-E club to hire a competent coach, it is possible that several losses might have been turned to victory.

To the writer the improvement of the play of Belot as the season progressed was one of the outstanding features. Wisner proved a flash as the season ended but was not put to the test in the midseason games. Herbst had some good games and much is expected of him in the future. Holmes played spectacular ball during the latter part of the season when his dribble was conspicuous by its absence. Myers suffered injuries in the latter part of the season that seriously handicapped him. But looking at the scoring records of the squad the value of Myers to the team can readily be seen. Spahr was the

steadying influence to the team and his work on the pivot play was an outstanding feature. It is felt that Hamilton should have been played at the guard position rather than a forward. But Bruce did his best, as always, never complaining when not in the lineup and while mentioned last was one of the most valuable men on the squad.

In passing, credit should be given Ray Lindemuth for the manner in which the management of the team and the booking of games were handled. Ray had many worries, of which the fans knew little.

Myers led the G-E five in scoring with a total of 218 points from 76 field goals and 66 free throws. Herbst was second with 51 field goals and 25 free throws for 127 points. The individual scoring of the players follows:

	g	pf	fg	ft	pct.	Total
Myers	27	53	76	66-112	59.5	218
Herbst	26	40	51	25-36	69.3	127
Belot	27	64	47	20-36	55.6	114
Holmes	27	56	32	35-57	61.2	99
Spahr	27	32	29	15-41	36.5	73
Hamilton	24	22	21	13-21	61.9	55
Wisner	8	12	19	2-7	28.6	40
Hueber	4	2	0	1-3	33.3	1

G-E Club 37—Olson's Nordics 25

The G-E club had little trouble in defeating Olson's Original Nordics by the score of 37 to 25. Mills was hot for the visitors during the first half, counting four baskets to tie the score at 14 at the half. But during the second half Wisner started on a scoring spree that netted him five double counters. Holmes and Spahr each counted a pair to swell the total in this period.

G-E Club 32—Morgantown 23

Just to prove that titles mean nothing, the G-E five trounced the Morgantown I.O.O.F. by the score of 32 to 23. The Morgantown quintet carry the title of state independent champions by virtue of winning the tournament of independent teams recently held at Indianapolis. The game proved that a long-passing, long-shooting team cannot beat the short pass style. The visitors were banging at the net from any place on the floor, counting two points when they made a basket but losing the ball when they missed connections. As a result the G-E five had the ball most of the time. Wisner was high scorer for the G-E team with six baskets. Herbst had three double counters to his credit and two free throws.

G-E Club 35—Huntington 32

The G-E club defeated the American Legion team of Huntington in one of the roughest and hardest fought games on the local floor this season. The visitors, composed chiefly of high school coaches of this city and vicinity, did everything but play basketball and the contest was

a continuous parade to the foul line. Paul White was leading scorer for the Legion with four baskets and a free throw. Belot, Wisner and Holmes left the game on five personals. Martzolf and Bills were banished for Huntington. Myers led the scoring for the locals with three baskets and three free throws. Belot, Herbst and Spahr each counted a brace of double counters.

G-E Club 17—Ft. Wayne Hoosiers 28

The Fort Wayne Hoosiers, of the American league, defeated the G-E five in an interesting exhibition by the score of 17 to 28. The second half champs of the big league passed the ball around in a dazzling fashion but the G-E guards kept them from near the basket. The Hoosiers scored but two baskets during the first half while the G-E five counted four. The score was tied at 8 all at the rest period. The second half started slow and there was no scoring during the first five minutes. At this point Schimek replaced Borgman and this ended the G-E five's dream of victory for Schimek had a big night and scored five baskets to give the Hoosiers a lead the G-E team could not overcome. Holmes led the scoring for the G-E with three baskets and a free throw. None of the others could connect for more than one free throw.

G-E Mazdas Win Championship of Y.M.C.A. Leagues

The G-E Mazdas, winners of the second half of the Y.M.C.A. industrial league, won two games in a row from the International Motors, winners of the first half, for the championship. Both games were decided by wide margins. The Mazdas then proceeded to down the Universal Institute winners of the Commercial league, by the score of 36 to 25.

In what proved to be the easiest contest of the elimination series, the Mazdas romped away with the Salem five, who had held the city championship for the past several years, by the score of 45 to 18. Slack was the star of the evening with six field goals and two free throws. Virgil followed with five baskets and a pair from the charity lane. Gamec connected for four double counters and a trio of free throws. Steel also counted a brace of two pointers.

G-E Girls' Basketball Team Closes Season

The G-E girls have enjoyed a very successful season on the hardwood court this year. The fair tossers have won 19 out of 21, losing to the Auburn high school girls and the Bryan, Ohio, girls, both games being on foreign floors. In the Y. W. C. A. league, the G-E representatives won all nine games on their schedule, scoring 335 points to their opponents 139. During the season they defeated the Wayne Knits five times. The G-E girls have scored a total of 633 points to their opponents 355.

Probably the most shining light of

the G-E outfit was Lela Reidenbach. The diminutive forward has scored a staggering total of points for her season's work. Anne Scott, while not breaking into the scoring as frequently as the former, played a brilliant offensive game and it was through her ability to break up plays and recover possession that many G-E points were possible. Helen Fletcher played a fine defensive guard, never flashy but always dependable and holding the opponent scoring aces well in check. Tressie Singrey, a veteran of the squad, played good ball throughout the season. Barbara Dirr was another rather consistent scorer throughout the season and with Reidenbach out of the lineup was depended on to do most of the scoring. LaVera Vail handled the pivot position in fine style and the center that could get the tip from LaVera had to do some jumping. Katherine DeArmitt and Ruth Wohlford were the other two members of the squad that did much toward making the season a success.

Too much praise cannot be given Harry Spahr for the success of the team as the husky G-E Club back-guard spent considerable of his time in teaching the girls the fine points of the game. We believe this year's team showed the best team work and offensive power of any girls' team ever to represent the Company.

G-E Girls 40—Wayne Knits 19

The G-E girls again handed the Wayne Knit lassies the short end of a 40 to 19 score on the Home Telephone court. Scott was leading scorer for the G-E quintet with 8 baskets. Reidenbach counted 6 times from the floor and Dirr sank three.

G-E Girls 30—Catholic Community Center 10

The G-E girls added another victory to their increasing string by taking the Catholic Community Center girls into camp on the short end of a 30 to 10 count. Reidenbach counted 6 baskets and two free throws for the evening's honors. Dirr sent four double counters through the hoop and Vail scored a pair from the floor.

G-E Girls 14—Bryan, Ohio, 6

The G-E girls won a tight defensive game from the Bryan, Ohio, girls at the North Side gym by the score of 14 to 6. The Bryan guards kept the G-E scoring aces pretty well covered and Reidenbach and Scott were able to find the net for a pair each of field goals. Wohlford and Dirr each contributed a basket to help the G-E girls low total.

G-E Girls 24—Waynedale 10

The G-E girls defeated the fair tossers from our neighborhood village of Waynedale by the score of 24 to 10 on the Waynedale court. Reidenbach again counted the majority of the G-E five's points with five baskets. Wohlford counted four field goals and Scott three.



WATER POLO TEAM, CHAMPIONS Y.M.C.A. LEAGUE

Harold Sherbondy, forward; Lowell Devore, guard; Glenn Klopfenstein, forward; Paul Berghorn, manager and forward; Benton Wiechers, center; Karl Lagerlof, guard; Harold Goss, guard.

G-E Girls 32—Indians 7

The G-E girls proceeded to add another scalp to their belt when they took a rather one sided contest from the Indians on the Y.M.C.A. floor. Wohlford furnished the scoring talent for the locals by counting five times from the field, Scott and Reidenbach each counted three double pointers and Dirr and Vail a pair each.

G-E Girls 14—Bryan, Ohio, 18

The G-E girls traveled to Bryan to play a game of basketball only to come home on the short end of the score. The G-E lassies outscored the Bryan girls from the field but were defeated by tosses from the charity line. Reidenbach and Dirr each scored three times from the field and Wohlford once. The locals did not score a point from free throws.

G-E Girls 27—Wayne Knits 23

The Wayne Knit girls seem determined to take the measure of the G-E lassies and this time threw a scare into the G-E camp. But Reidenbach proved too much for the hose makers to smother, the little forward counting five times. Vail swelled the G-E total with four double counters and Dirr and Wohlford each added a basket to help things along.

G-E Girls 34—Marion 14

The G-E girls journeyed to strange surroundings to win a 34 to 14 victory over the Marion tossers. Reidenbach found the downstate court much to her liking and gave the Marion fans an exhibition of basket tossing by sending the sphere through the hoop seven times. Dirr counted four baskets and Wohlford three. Scott also counted a lone field goal.

Inter-departmental Basketball

The Small Motor team is leading the inter-department basketball league with

six wins and no losses. The leaders also won the first half and bid fair to become the undisputed champions of the league. The standing of the teams follows:

	W	L	Pct.
Small Motor.....	6	0	1.000
Apprentice	5	1	.833
Winter Street.....	5	1	.833
Transformer	4	2	.666
G-E Squares.....	4	2	.666
Meter	4	2	.666
Frac. Motor.....	3	3	.500
Payroll & Acctg.....	1	5	.167
Apparatus	0	6	.000
Wire & Insulation.....	0	6	.000

Inter-departmental Volleyball

The Small Motor team is leading the Inter-department league with 17 victories and but a single defeat. The Fractional Motors, another representative of the Fractional Hp. Motor Dept., is in second place. The standing of the league follows:

	W	L	Pct.
Small Motor.....	17	1	.944
Frac. Motors.....	11	7	.611
Winter Street.....	9	6	.600
G-E Squares.....	8	10	.444
Main Office.....	6	9	.400
Meter	0	18	.000

Water Polo

For the first time in six years the water polo team has come through with the cup. In order to do this they had to outplay the Y. M. C. A. swimming team which recently took the State Swimming title.

The "Y" Aquatic Club took the first half by dropping the G-E team 9 to 3. G-E came back the second half by taking the "Y" club 9 to 4. Then the title game went to the G-E Splashers 12 to 11. This final game was the fastest and best played game ever seen in the "Y" swimming pool. Wiechers and Devore were best for G-E while Bradley and Murphy were the best for the losers.

The line-up is as follows:

GENERAL ELECTRIC				
	Thr'w'g	Touch	G	Ft.
Sherbondy, f.....	1	--	--	3
Wiechers, c.....	--	1	1	6
Devore, f.....	1	--	--	3
Berghorn, g.....	--	--	--	0
Klopfenstein, f.....	--	--	--	0
Goss, g.....	--	--	--	0
Lagerlof, g.....	--	--	--	0
				12
"Y"				
Schwartz, f.....	--	--	--	0
Bradley, f.....	1	--	--	3
Murphy, c.....	1	1	--	8
Terhune, g.....	--	--	--	0
Powell, g.....	--	--	--	0
				11

Bowling

Milt Bryan Rolls High Score

In a regular league contest in the Inter-department bowling league Milt Bryan rolled a 740 count for a trio of games for high three-game score. Incidentally this is a record for the alleys and one that will probably stand for soome time. Ray Lawrence's 298 in the Meter league still stands for high single game count. Both of these records are ones of which both bowlers can justly feel proud.

Second Annual G-E Tournament to Start April 27th

The second annual tournament for G-E bowlers is scheduled to start on the G-E Club alleys April 27th. Entries are now being received for the three events. All bowlers are to be given an equal chance in that the five men event is to be limited to a 770+5 average and the doubles to a 325+5 total. The singles are divided into three groups: Class A 170 or better average, Class B 150 to 169, and Class C below 150 average. It is hoped that all bowlers in all leagues will enter this All-G-E tournament.

Meter Department League

Team	W	L	P.C.	Ave.
Covers	13	5	.722	830
Magnets	11	7	.611	819
Elements	11	7	.611	803
Pivots	10	8	.556	795
Jewels	9	9	.500	803
Registers	9	9	.500	794
Seals	9	9	.500	785
Gears	8	10	.444	799
Leads	8	10	.444	764
Terminals	7	11	.389	774
Discs	7	11	.389	765
Bases	6	12	.333	789

INDIVIDUAL AVERAGES

C. Rump....75	181	Hueber	78	177
Lawrence ...78	178	V. Rump ...	84	175
Voorhees ...75	178	Timme	78	174
Weick 81	178	Bushing	81	174
Erne 81	177	Jacobs 75	172	

HIGH INDIVIDUAL SCORE

	One Game			Three Game
C. Rump.....	247	C. Rump		61
Luessenhop	244	Lawrence		61
Bell	244	Luessenhop		60

HIGH TEAM SCORE

	One Game		Thre Game
Covers	997	Covers	264
Magnets	961	Gears	262
Registers	901	Magnets	258

Inter-department League

Team	W	L	P.C.	Ave.
Transformer	17	7	.708	921
Meter	16	8	.666	925
Wire & Insulation.....	13	11	.541	886
General Stores.....	10	14	.416	896
Apparatus	9	12	.374	898
Small Motor.....	8	19	.333	878

INDIVIDUAL AVERAGES

Zurcher 66	192	Kammer 63	187
Hurley 57	192	Adamski 60	186
Auer 63	188	Knoll 63	185
Bryan 60	188	Schlup 60	185
Quinn 66	187	Kopp 69	183

HIGH INDIVIDUAL SCORE

One Game	Three Games
Bryan 267	Bryan 740
Quinn 257	Auer 665
Auer 256	Hurley 645

HIGH TEAM SCORE

One Game	Three Games
General Stores..1114	Meter 2978
Meter 1047	General Stores..2867
Apparatus 995	Apparatus 2841

Office League

Team	W	L	P.C.	Ave.
D-c. Apparatus.....	13	5	.722	807
Apparatus Cost.....	11	7	.611	793
Small Motor Engrs....	11	7	.611	746
Indus. Service.....	10	8	.556	816
Plant Construction....	10	8	.556	800
D-c. Drafting.....	9	9	.500	767
Warehouse	7	11	.389	794
A-c. Drafting.....	7	11	.389	776
Material List.....	7	11	.389	733
Distribution	5	13	.278	637

INDIVIDUAL AVERAGES

M. Bryan 15	200	Wallace 18	175
M. Einseidel .18	187	Kellogg 18	173
Dannecker ... 6	185	Enders 18	171
Lindemuth ...15	179	Garton 12	171
Reese 18	177	Braun 12	167

HIGH INDIVIDUAL SCORE

One Game	Three Games
Bryan 245	Bryan 688
Lindemuth 235	Lindemuth 604
Zieg 233	Einseidel 588
Einseidel 233	

HIGH TEAM SCORE

One Game	Three Games
D-c. Apparatus.. 948	Indus. Service...2566
Indus. Service.. 903	D-c. Apparatus..2560
Apparatus Cost.. 900	Warehouse 2513

Foremen's Association League

Team	W	L	P.C.	Ave.
Refrigerator	7	2	.778	768
General Service.....	6	3	.667	775
Vitaphone	6	3	.667	736
Wire & Insulation....	4	5	.444	760
Apparatus	4	5	.444	731
Transformer	3	6	.333	743
Tool Supply.....	3	6	.333	733
Small Motor.....	3	6	.333	729

INDIVIDUAL AVERAGES

Buuck 72	182	Foellinger ...69	165
Korte 27	177	Hoffman 60	162
Szink 72	166	Holloway 72	161
Grimme 61	166	Siebold 54	160
Bennigan 9	166	Starke 66	159

HIGH TEAM SCORE

One Game	Three Games
General Service.. 871	General Service..2389
Vitaphone 844	Vitaphone 2341
Apparatus 841	Refrigeration ...2338

Tool Department League

Team	W	L	P.C.	Ave.
Jigs & Fixtures.....	24	12	.666	805
Grinders	23	13	.640	810
Special Tools.....	21	15	.581	804
Tool Supervisors....	19	17	.528	796
Special Machines....	15	21	.416	782
Punches	15	21	.416	777
Machines	14	22	.389	776
Dies	13	23	.360	786



MAZDA BASKETBALL TEAM, CHAMPIONS Y.M.C.A. LEAGUE

Standing: G. E. Plaisted, manager; Mossburg, Weaver, E. A. Barnes, Gen. Supt.

Sitting: Nobles, Virgil, Steele, Slack, Gamec.

INDIVIDUAL AVERAGES

W. Franke...72	179	Rehm 15	175
Gerdorn 72	179	J. Franke 63	173
Lankenau ...78	177	Dicke 66	170
Knepple 78	176	Brenner 78	169
Daley 72	176	Lenz 21	162

HIGH INDIVIDUAL SCORE

One Game	Three Games
Beckman 263	Brenner 629
Brenner 262	Lankenau 618
W. Franke 245	Gerdorn 609

HIGH TEAM SCORE

One Game	Three Games
Grinders 1029	Grinders 2798
Punches 969	T'l Supervisors..2601
Jigs & Fixtures.. 962	Punches 2592

Transformer Department League

Team	W	L	P.C.	Ave.
Toys	20	13	.606	796
Radios	18	15	.545	776
Bells	18	15	.545	775
Autos	17	16	.515	777
Currents	14	19	.424	757
Nitelites	12	21	.364	749

INDIVIDUAL AVERAGES

Cox 78	181	Orff 63	168
Tagtmeyer ..78	180	Kronmiller ..71	167
Cook 75	177	Schlatter 66	164
Garihan 63	174	Fryback 78	163
Long 57	172	Boutwell 72	162

HIGH INDIVIDUAL SCORE

One Game	Three Games
Schlatter 245	Tagtmeyer 643
Fryback 237	Cox 618
Cox 235	Cook 611

HIGH TEAM SCORE

One Game	Three Games
Toys 945	Autos 2554
Autos 894	Toys 2503
Bells 881	Radios 2472

Small Motor League

Team	W	L
DR1	17	4
RSS	14	7
SD	14	7
SDA	13	8

RKT	12	9
RSA	10	11
DR3	9	12
RSO	9	12
DR2	7	14
SA	0	21

INDIVIDUAL AVERAGES

F. Quinn....54	188	W. M'h'f'd'r 69	171
M. Tobias....75	176	R. Rose.....78	168
F. Renier....60	175	E. McKering.72	168
F. Rapp.....69	172	R. Tobias....60	168
G. Nahrwold.75	171	W. Straub....81	163

HIGH INDIVIDUAL SCORE

One Game	Three Games
G. Nieman..... 243	F. Quinn..... 633
W. Michelfelder. 237	F. Rapp..... 604
J. Daley..... 230	G. Nieman..... 599

HIGH TEAM SCORE

One Game	Three Games
DR3 814	RKT 2116
SD 768	SDA 2097
RSS 767	RSS 2086

Girls' League

Team	W	L	P.C.	Ave.
Fire Dept.....	20	7	.740	603
Tool Dept.....	20	7	.740	594
Indus. Service....	17	10	.630	596
Order	16	11	.591	601
Refrigerator	12	15	.444	546
Meter	11	16	.408	583
Small Motor.....	10	17	.370	553

INDIVIDUAL AVERAGES

Rump 27	174	Bleke 69	148
Ruby 24	173	Fox 69	145
Lackey 69	172	Weitfeldt ...69	145
Klingenb'g'r .27	163	James 12	145
Preston 69	151	Synder 60	140

HIGH INDIVIDUAL SCORE

One Game	Three Games
James 245	Lackey 601
Lackey 225	Fox 568
Fox 220	James 550

HIGH TEAM SCORE

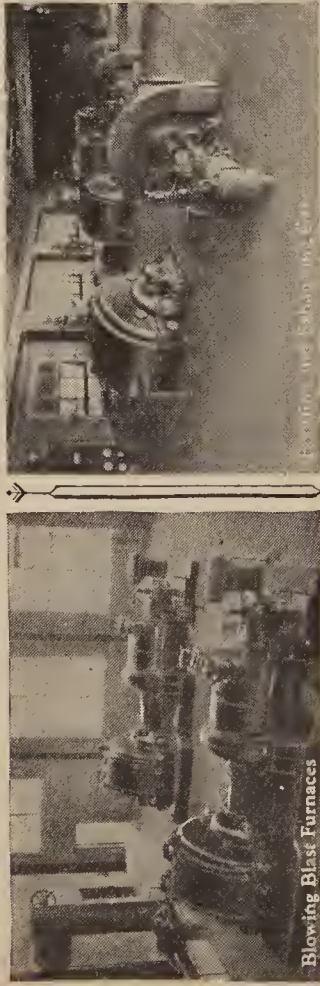
One Game	Three Games
Fire Dept..... 739	Fire Dept.....2134
Small Motor.... 734	Order 2090
Order 715	Small Motor...2064

Duty

THIS truth comes to us more and more the longer we live, that on what field or in what uniform or with what aims we do our duty matters very little, or even what our duty is, great or small, splendid or obscure. Only to find our duty certainly and somewhere, somehow, to do it faithfully, makes us good, strong, happy and useful men.

PHILLIPS BROOKS.

G-E Centrifugal Compressors for Every Application



Blowing Blast Furnaces



Blowing Water and Compressed Air



Pneumatic Handling of Material



Boosting Gas

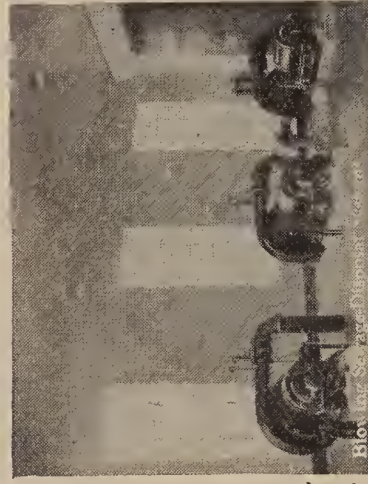


Blowing Oil Refining Furnaces

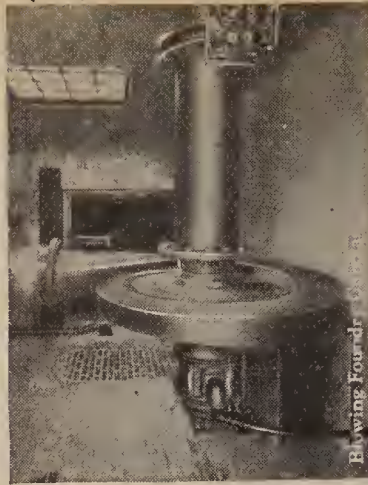
AIR—for the blowing of huge blast furnaces, foundry cupolas, and oil-burning furnaces. Air for the agitation of flotation processes and raw-water ice systems. Air for aëration of sewage-disposal systems. Air for the pneumatic handling of material. Pressures and vacuums for the handling of manufactured gas. Whatever your compressor requirements, General Electric can meet them to your lasting satisfaction.

All General Electric blowers, no matter for what service they are designed, are noted for their reliability and extremely low operating costs. Twenty years of blower research has resulted in hundreds of individual refinements—each of which has contributed a small increase in reliability and efficiency—until to-day G-E blowers are in a class by themselves as regards continuity of service and economy of operation.

General Electric blowers are truly *Blowers that Lower the Cost of Air!*



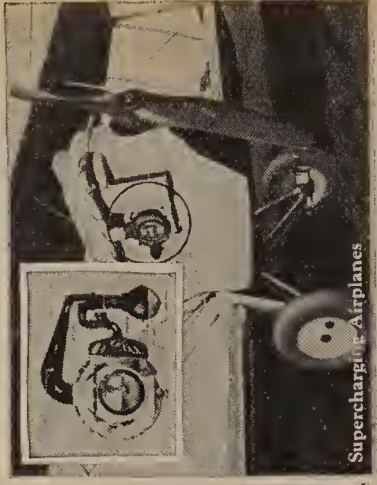
Blowing Sewage Disposal Systems



Blowing Foundry Cupolas



Blowing Artificial Ice Systems



Supercharging Airplanes

BLOWERS
THAT LOWER
THE COST OF
AIR



321-24 B

GENERAL ELECTRIC

SALES OFFICES IN PRINCIPAL CITIES

This is typical of the advertisements appearing in leading industrial magazines during the month of April, as a part of the Industrial Department Sales Campaign on G-E Centrifugal Compressors.

The

GE Works News

May 17, 1929



The Housing Plan Helped Finance These

Herman Norr
1816 Lawndale



Dea Logan
1520 Franklin Ave.



Harley W. Ward
Lower Huntington Road



Ora Y. Martin
3514 Indiana



Erwin W. Moore
428 Putnam St.



James F. Mcreeley
532 Nettie Ave.

Oscar E. Burtzner
3025 Central Drive



S. C. Newlin
602 Dayton Ave.



John J. Sholl
332 W. Leith St.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

May 17, 1929

No. 5

The G-E Housing Plan

YOU will find on the opposite page several pictures of houses either built or purchased by employees through the G-E Housing Plan. We are behind schedule in publishing the picture of employees' homes purchased through the plan, on account of the bad weather of the winter months. Employees who do not find a picture of their homes in this issue will probably find it in next month's issue.

The homes shown in the pictures are owned by the following employees:

Ora V. Martin, electrical tester, Apparatus division, Bldg. 19-1, who purchased his home at 3514 Indiana Ave. from the former owner who had moved to Indianapolis.

S. C. Newlin, who purchased a home located at 602 Dayton Ave. Mr. Newlin works in the Fractional Hp. Motor Production Office and is known by many G-E employees.

John J. Sholl, chauffeur, Transportation Dept., who purchased a home located at 332 West Leith St.

Dea Logan, welder, General Service division, Bldg. 20-1, who built his home at 1520 Franklin Ave.

Erwin W. More, who built the bungalow at 428 Putnam, is an assembler in the Apparatus division, Bldg. 19-1.

James F. McFeely, machinist, Special Machine Dept., Bldg. 26-5, who purchased the bungalow at 532 Nutting Ave. while it was under construction, and had it finished under his direction.

Herman Norr, superintendent's office, Winter Street plant, had this English type bungalow built last fall.

Walter Beaty, who purchased a home at 347 Kinnard Ave., is a chauffeur for the Transportation Dept.

Oscar E. Burtzner, Manufacturing Standards Dept., Transportation division, Bldg. 19-2, purchased the house at 3025 Central Drive.

Harley W. Ward, Bldg. 4-5, is the man whose home located on the lower Huntington Road, burned to the ground last fall. The Housing Committee helped him procure a substantial discount on his original contract and assisted him in the building of his new home at the same location.

The G-E Housing Plan was started at the Fort Wayne Works

in 1924 and has been steadily growing in popularity. The record of the number of employees who have been assisted in purchasing or building of homes under this plan is as follows: 9 in 1924; 32 in 1925, 34 in 1926; 34 in 1927; 53 in 1928; 10 to date in 1929. Total, 172.

The Housing committee for the Fort Wayne Works is composed of W. S. Goll, chairman; J. H. Evans, J. W. Crise, C. H. Matson, and W. J. Hockett, secretary. L. C. Swager, Industrial Service Dept., Bldg. 21, takes care of all preliminary details. All transactions through the Housing Plan must be approved by the Housing committee; therefore, it is of the utmost importance that you get in touch with Mr. Swager and let him help you with the details and get the approval of the Housing committee

before you sign any contract. The Industrial Service Dept. is at your service to give you advice and counsel free of charge. You are most welcome to make use of this service whether or not you desire to finance your home through the Housing Plan. In order that an employee may secure financial assistance under the G-E Housing Plan, the following conditions must be fulfilled:

First, he must have to his credit one or more years' service with the Company. *Second*, his record with the Company must show that he is a steady, trustworthy employee and is in good health. *Third*, he must have at least 10 per cent of the purchase price of the house and lot. *Fourth*, his proposition must be practical for him from the standpoint of his income.

260 People Complete G-E Night School Work

THE annual G-E Night School banquet was held April 17th, in Bldg. 16-2, at which time 260 employees received certificates for courses which they completed during the past winter.

L. C. Swager, of the Industrial Service Dept., and head of the night school, acted as toastmaster. The commencement address was given by E. G. Hoffman, executive vice president of the Tri-State Loan & Trust Co. He was introduced by W. J. Hockett, supervisor of the Industrial Service Dept. J. H. Brunton responded for the graduating students. E. A. Barnes, general superintendent of the Fort Wayne Works, also gave a short talk.

During the last winter thirteen different subjects were taught in the night school by the following instructors: La Vera Vail, Typewriting; Grace Phillips, Typewriting; Margaret Phillips, Ad-

vanced Typewriting and Ediphone; Ruby Kuhn, Comptometry; R. L. Hupp, Algebra and D-C. Electricity; H. O. Makey, Business English; C. H. Gettle, Trigonometry, Arithmetic and Blue Print Reading; Paul Breimeier, Elementary Electricity; R. A. Browder, Chemistry; H. Siebold, Machine Shop Practice; L. F. Dulaney, Algebra; Walter Sunier, Public Speaking; A. M. Smith, Mechanical Drawing; L. C. Swager, Mechanical Drawing.

This was the most successful year in the history of the night school. The enrollment was much larger than in any other year and the number of employees completing courses was also much larger. The night school was extended to the Winter Street and the Decatur Plants this last year. There were two classes at Decatur each semester, one in public speaking and one in mechanical drawing.

There was one class of algebra at the Winter Street plant.

Those who received certificates are:

Stella Blakely, Helen Hockett, Pearl Settlemyer, Herman F. Bauman, Norbert W. Gase, Henry I. Mizer, Alvin H. Voltz, LaMar J. Brant, Herman Everding, Wilbur H. Doenges, Harold J. Longworth, John A. Suelzer, Clem E. Hippensteel, William Stetzer, Amos M. Casteel, Verne E. Pray, Thyra Hevel, Elizabeth Hook, Doris Watt, Gaylord H. Evans, Clarence L. Geiger, Cyril W. Tainter, Stanley S. Marquardt, Jesse Brooks, Harold B. Koogle, Fred P. Feustel, Jacob Model, Noble H. Wagner, Harry M. Magner, Oren M. Gilpen, Mary L. Harp, Kenneth J. Rupp, Angela Helmkamp, Tress Johnson, T. Melvin Babcock, Wilmer F. Finger, Raymond J. Kassen, Ralph W. Vaughn, Arnold G. Ahlgrim, George S. Dierstein, Paul E. Laderman, Milton E. Fry, William H. Straub, Kermit H. Bubbs, Edward J. Davis, Raymond O. Weikart, Harry K. Norris, Charles A. Yager.

John I. Howard, Wehler W. Porsch, Ralph E. Trevy, Marjorie M. Crick, Elizabeth Morgan, Doris Rhodes, Ethel Brown, Donald L. Hyde, Helen Neal, Maxwell A. Dickens, Louis W. Wegman, Alice Baker, Alice Gladieuz, Nora Mizer, Vera Beam, Denona Kaher, Blanche Herber, Walter F. Horman, Carl Swanson, Walter H. Doneges, Darreld J. Herschfelder, Frank J. Kopp, Harold E. Williams, Frances Coons, Margaret McKee, Kittie Rapp, Ruth Wohlford, Kenneth L. Louthan, Frederick H. Sheridan, Herbert Harter, Francis W. McCullough, Gerald G. Morton, Kenneth G. Spackman, Frank A. Epple, Roy K. Eger, Charles E. Schaeffer, Gilbert A. Walker, Roland L. Flightner, George L. Stanton, Wayne A. Kemf, Carl H. Mosser, Walter F. Bartels, William G. Keubler, Howard W. Moore, Otto E. Wollert, Darrel J. Kniseley, Jessie E. Stoller, Anna R. Hogg, Nellie Van Wormer, Ruth M. Lindeman, Wilma Swager, Mae Virgil, Hershel E. Odier, Donald Rapp, Carl Zurcher, Charlotte Houser, Clara Myers, Lena Schull, Melba Cress, Pallas Kleinknecht, Francille Rost, Kenneth W. Sefton, William Welch, Edward H. Dobler, Gabriel Grandchamp, Constance Arnold, Elizabeth Garrison, Velma Schott, Kenneth F. Bergman, Kenneth F. McCague, William H. Thompson, Carl D. Fisher, James A. Johnson, Herbert M. Kurtz, Mary Bertsch, Laverne Fritz, Deloris Neuland, Florence Reutebuch, Harry Hillyard, J. Emmet Mills, Roy W. Berdelman, Kenneth Hullinger, Dean O. Miles, Arthur H. Nord, J. Hilbert Teeple, Charles W. Beck, Ralph J. Richard, John B. Thomas, Floyd E. Braun, Rudolph A. Meister, Clifford C. Casteel, Albert L. Olson, James H. Hennings, Norman J. Gillian, Arsene J. Mason, Fred W. Reinking, Jean Bollenbach, Robert S. Pearson, Glennis M. Adams, Beatrice Orth, Zoa M. Dodane, Anna Roth, Nancy E. Wade, Hanna Bartlett,

G. Benjamin Porsch, Jr., Paul Redmerski, Irene C. Cook, Selma Hoffman, Lora Redding, Ruth Pohler, Hazel Halter, Rea Kuhn, Jessie Snyder, Lester C. Snyder, Jos. E. Murtaugh, Gaby Fry, Violet Kilfoy, Leota Barker, Marie A. Herber, Thelma Sparke, Roscoe P. Cobbs, Allen J. Ruble, John L. Bittner, Mark Hennigh, James T. Keller, Wilbur C. Kurtz, Harold B. Carter, Winifred Hall, Wava Poinsette, Leslie E. Swank, Alfred G. Kulschbach, Jessie Rutledge, Forest Bunner, Donald M. List, William C. Miller, Edwin G. Rodenbeck, Delwood J. Bucher, Willis K. Deetz, Elmer V. Robbins, Stanley J. Tisoric, Arthur E. Chettle, Stuart S. Monroe, Edward E. Hale, Carl G. Schlenker, Walter P. Alterkruse, Russell Johnson, Edward W. Metz, R. H. Rodenbeck, Floyd E. Garland, Carl W. Sorenson, Mary Bickel, Charlene Snyder, Winifred Hall, Myrtle Swager, Ruth A. Weaver, Kathryn Sellers, Irmgard Gehle.

Marion Taylor, James V. Johnson, Roscoe E. Brown, Victor J. Mischo, Lloyd V. Baker, Frank Bohnke, Ralph Butler, J. K. Eady, Tillman H. Gehrig, John H. Brunton, Fred M. Engle, Bert Gage, Lohnas McIntosh, Harry L. Yahne, Daniel E. Foreman, Warren G. Kleinknight, Russell Owens, Carl Smith, Gladys Smith, Evelyn Tracy, William A. Strasberger, Jennings F. Bubb, Glenn R. Zent, Earl F. Biens, Geo. J. Buckley, Fred Chronister, Robert Gage, Francis Howell, Aluy Buffenbarger, Emanuel J. Engleman, Harvey Koos, Leonard T. Meyer, William F. Kohls, Charles Keller, William Lindemann, Miles F. Roop, George Hamma.

Ruth Stier, Walter D. Fritze, Belva L. Imel, Charles W. Cline, Edwin M. Adler, Earl Blackburn, John Burnett, John E. Cook, Frank Geary, J. Harry King, Calvin Coppess, Albert H. Freuchte, Charles C. Langston, Ralph F. Stanley, Russell F. DeBolt, Lloyd Kreischer, Chester McIntosh, Aloysius Schneider.

Mutual Benefit Association

A recent checkup of the Mutual Benefit Association membership shows that 92.3 per cent of our employees are members. The association is a big help in times of trouble such as sickness or accident. Occasionally an employee neglects to avail himself of the privilege of membership and then gets hurt or is sick. It is at such a time that the lack of a membership is emphasized.

"A membership in the association is something stored up for a rainy day."

If you are not a member, join now.

Deaths

Robert Skiles

ROBERT Skiles, 26 years of age, an employee in the Refrigerating Machine Division, Winter Street plant, died at the Methodist hospital, April 14th, from burns received that morning when he attempted to start a fire with kerosene. Mr. Skiles was first employed here in 1920 as a coil winder in the



Robert Skiles

Induction Motor Dept. During the summer of 1921 he was laid off on account of lack of work and was not re-engaged until February, 1922. Eighteen months later he left our employ but late in the fall of 1923 he was re-engaged for work in the Transformer Dept. under Mr. Walburn. In November, 1924, he again severed his connection with our Company and did not return until September 14, 1927, the date at which his continuous service began. For a short time he worked in the ice machine test and then was made an inspector of the type DR-3 machines, a position he held at the time of his death. He was a capable workman and had many friends among those with whom he was employed.

Surviving are his wife Bertha, his father and mother, one brother and one sister. The funeral was held April 16th at the home of his parents, Mr. and Mrs. George Skiles, four miles south of New Haven, with burial in Lindenwood.

Apprentice Alumni Hear Aviation Talk

THE Apprentice alumni held their second quarterly meeting on the evening of April 16th in Bldg. 16-2. After the dinner the members had the pleasure of listening to an address on the general subject of aviation by the well known aviator, Lieutenant Clarence Cornish. Mr. Cornish reviewed the early history of avia-

tion and concluded his talk with some interesting facts in regard to the present status of aviation developments. Particularly interesting were his statements of the government requirements for planes and the tests given for the different grades of licensed pilots.

During this meeting the following graduates of the local Apprentice school were admitted to membership in the association: Ralph Dennison, Virgil Hoy, Eugene Cox, George Dierstein and Frank Calkins. Walter Wolf, who last fall was made head of the Apprentice school, was voted an honorary membership in the association. Carl Geller and Tommy Radcliffe, who are well known to local radio audiences, presented some special entertainment for the crowd. Approximately 40 members were present at the meeting.

Plans are now under consideration for one of the associations' regular inspection trips.

Additional Parking Space Made Available

THE parking space for employees' cars on Jones street recently was increased so that there is now room for 500 or more cars in that location. This should eliminate any need for parking on Wall street, which is against the rules.

Chief Paul Grimme, who has control of traffic at the entrances to our Broadway plant, asks the co-operation of both pedestrians and drivers with the firemen in uniform who are stationed in the streets to direct traffic at closing hours. He further asks that those who park east of Broadway use Fairfield avenue rather than Broadway in coming to and from the plant and that those parking on the Jones street lot use other streets than Broadway in going north and south. Co-operation of G-E employees in this regard will not only relieve the congestion on Broadway but should promote safety and save time for all.

Play Safe!



Albert Olson



Burney Tomson



Raymond Crick

Three Complete Apprentice Work

THREE students completed their apprenticeship during the month of April. Two of them took the electrical tester course and the other one the machinist and toolmaker course.

Raymond Crick completed the electrical tester course April 1st, and as he had a good record in both shop and school work he received the customary \$75 bonus. Mr. Crick is a Fort Wayne boy having attended the Minor grade school and graduated from the South Side high with the class of 1926. He is now working for Mr. Clayton in the Developmental Test, Bldg. 19-4.

Burney Tomson finished his course in electrical testing on April 6th and he also received the customary bonus for graduates of this course. Mr. Tomson attended the grade school at Burney and also graduated from the Burney high school in the class of 1922. He had taken one semester's work in the Chicago technical college before starting his apprentice work here at the General Electric. He is now working for Mr. Grothouse in the Drafting Dept. at Winter Street.

Albert Olson, the machinist and toolmaker graduate, finished his work April 6th, and received the customary \$100 bonus. Mr. Olson attended the Hicksville, Ohio, grade and high schools and graduated with the class of 1924. He is now working for Mr. Stouder in the Rate Setting Dept., Bldg. 19-3.

Nine students have been enrolled for apprentice courses during the past month. Eight of these have selected the machinist and toolmaker course and one the draftsman course.

The new machinist and toolmaker apprentices are: William Timbrook, Ossian high school, class of '29; Elmer Cutter, Lancas-

ter high school, class of '29; Pete Bauman, of Arcola, Monon Township high school, class of '29; Walter A. Kehmeyer, of South Whitley, Washington Center high school, class of '29; Wayne Miller, Ossian high school, class of '29; Maurice Bennett, Washington Center high school, class of '29; Ohlin Hablitzel, Van Wert, Ohio, high school, class of '29; and Anthony Murphy, Decatur high school, class of '29.

The new draftsman apprentice is Clair Coens, South Side high school, class of '29.

Absent Employees

Howard Brooks, Small Motor Dept., Bldg. 3-3, is now at his home at 3510 Oliver St., recovering from typhoid fever.

Howard Coverdale, Meter Dept., Bldg. 26-4, is at home on Route 5 recovering from an illness.

Frieda Cummings, Meter Dept., Bldg. 19-4, is at her home at 3506 Barr St. recovering from a recent operation.

Genevieve Dahlkamp, Transformer Dept., Bldg. 26-2, who is now at her home on Allamna Ave., reports that she is feeling fine again and expects to be back at work before long.

Bertha Elpers, Meter Dept., Bldg. 26-4, is recovering from her recent operation so nicely that she expects to return to work soon.

Eileen Emerick, Meter Dept., Bldg. 19-4, is now at the home of her parents at Kendallville, recovering from a serious operation which she underwent recently. The latest report from her home is that she is getting along fine. Miss Emerick was the first person to draw M.B.A. benefits under the new hospitalization clause that was put into effect March 16th.

Jesse Hawk, Small Motor Dept., Bldg. 4-1, is now at her home in Albion, recovering from an operation. The latest word is that she is getting along fine.

Dorothy Manning, Small Motor Dept., Bldg. 4-1, is a patient at the

(Continued on page VIII)



H. W. Meyer



Cleo M. Greek



Irene Meyers



J. O. Kelker



W. P. Altekruse



Herman Norr

\$1680 Awarded for "Better Ways"

THE total of suggestion awards made at Fort Wayne Works during the five weeks of March 18th to April 20th, inclusive, was \$1680. During this period 16 awards of \$25 or over were granted to employees of the Fort Wayne Works; and as there were 145 different awards made, the report indicates an active interest in ways and means to improve our products, reduce the cost of production, and make our plants safer places in which to work. The sum of all the awards indicates that this interest on the part of the employees has been well worth while.

Walter Vought, toolmaker, Bldg. 26-5, secured the largest award, \$200, on his suggestion for the use of a quadruple die for punching transformer iron. He saw that the expense of the quadruple die would be more than offset by the possible increased production of the operator and machine.

Herman Norr, Winter Street plant, suggested the grinding of ice machine cylinders with muffler and screws assembled, thereby saving a lapping operation. His award was \$100 on this suggestion.

W. P. Altekruse, Bldg. 20-1, suggested an improvement in the design of the high-potential stickers that decreased the cost of maintenance considerably. He received \$100 award.

Cleo M. Greek, Bldg. 8-1, received \$80 award on his suggestion of using 50-20 cotton in place of 50-20 and 80-24, for covering .072 to .114 copper wire in Bldg. 8.

Harry Zimmerman, Bldg. 19-4, was awarded \$50 on his suggestion of eliminating the connection block on IA-201 relays.

R. L. Flightner, Bldg. 18-4, received \$50 on his suggestion

of ordering copper sheets used by the Meter Dept. in mill lengths instead of exact lengths.

Joseph P. Carrick, Bldg. 19-3, made a suggestion regarding salvaging and reusing No. 17 babbit, which brought him an award of \$40.

H. W. Meyer, Bldg. 19-5, suggested supplying a torque testing device for the Meter Test and received \$35 award.

Irene Meyers, Bldg. 19-5, received \$30 award on her suggestion regarding the combining of operations on I-16 back plates.

G. Oswald, now out of the city, was awarded \$25 on his suggestion on the use of a portable buffer for cleaning transformer terminals.

Otto N. Pflueger, Bldg. 17-1, was awarded \$25 on his suggestion about the marking of potential and current jacks used in the Switchgear Dept.

H. W. Struver, Bldg. 4-5, was awarded \$25 on a suggestion regarding the use of flexible leads attached to the case for Vitaphone motors.

J. O. Kelker, Bldg. 4-4, suggested use of felt washer between commutator and windings of SDA armatures and was awarded \$25.

L. O. Ramsey, Bldg. 4-5, suggested improved counters for use on stator winding machines in Bldg. 17-2 and received \$25 award.

Fred R. H. Stein, Bldg. 17-2, received \$25 on suggestion regarding using pan and felt pad for fluxing rotors in Fract. Hp. Motor Dept.

Frank Glenn, Bldg. 26-5, suggested supplying a trip lever for use with stator winding machines in Bldg. 17-2 and received \$25 award.

Ream Huffman, Bldg. 2-1, suggested a change in method of

handling wire for annealing in Bldg. 2-1 and was awarded \$20 on his suggestion.

Ludwig Stetter, Bldg. 17-1, suggested supplying a jig for making clips to Bldg. 17-1 and received \$20.

Alfred Phillips, Bldg. 19-5, suggested a change in the method of crating motors shipped from Schenectady to Fort Wayne and received \$20.

William Wickliffe, Bldg. 4-4, received \$20 award on his suggestion regarding a change in the operation of placing radius on certain fractional hp. motor shafts.

Leo Neuman, Bldg. 20-1, made a suggestion regarding a rerouting of conduit in Bldg. 27 on which he received \$15 award.

R. C. Hageman, Bldg. 19-3, suggested ordering banding wire on reels and was awarded \$15.

C. F. Roda, Bldg. 17-4, on a suggestion regarding dipping terminal leads in shellac in the Meter Dept. received \$15 award.

William C. Hoke, Bldg. 19-2, on his suggestion regarding change to punchings on certain apparatus armatures to eliminate trouble in wedging, received \$15 award.

Clarence Pape, Bldg. 19-4, suggested change to hole in stator plate for M-12 meters and was awarded \$10 on the suggestion.

Anne Carlin, Bldg. 3-3, suggested change to the method of stamping tags in Frac. Hp. Motor Dept. and received \$10 award.

Ella B. Sommer, Bldg. 18-2, on suggestion of change to the arrangement of names on internal correspondence memoranda received \$10 award.

Henry J. Graffe, Bldg. 4-5, was awarded \$10 on suggestion



R. L. Flightner



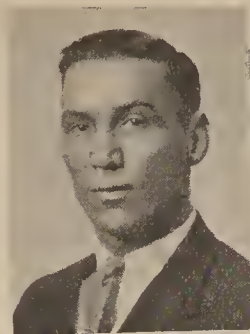
L. O. Ramsey



Joseph P. Carrick



Otto N. Pflueger



Fred R. H. Stein



Walter Vought

regarding using metal thimbles for putting leads in conduit in Bldg. 4-5.

Quincy R. Winans, Bldg. 6-1, was awarded \$10 on his suggestion regarding a change in method of crating dynamometers.

W. Moellering, Bldg. 19-4, on his suggestion regarding chamfering of M-12 armature shafts received \$10 award.

A. G. Blomberg, Bldg. 19-3, received \$10 award on his suggestion regarding improved design of boring head for machining bearing brackets in Bldg. 19-3.

C. J. Houser, Bldg. 19-3, on suggestion regarding improved tools for machining spiders in Bldg. 19-3, received \$10.

Cleo M. Greek, Bldg. 8-1, received an additional award of \$10 on his suggestion regarding an improved polisher for rectangular insulated wire. His original award was \$5.00.

C. W. Tainter, Bldg. 19-1, received \$10 award on suggestion regarding chipping slot in set screw holes in CD motor housings.

Harold A. Hart, Bldg. 4-5, was awarded \$10 on suggestion regarding change to operations on Frac. Hp. Motor fan guard.

Truman R. Buckles, Bldg. 2-K, suggested a change to dip pans used in Bldg. 2-K which brought him \$10 award.

Melvin Payne, Bldg. 26-4, suggested change to die cast pots in Bldg. 26-4 to facilitate heating and received \$10 award.

Charles C. Holben, 26-4, suggested supplying a device for filing PD type wheels and was awarded \$7.50 on the suggestion.

LeMar F. Drake, Bldg. 4-1, received \$7.50 award on his suggestion regarding a change to conveyor in Bldg. 4-1.

John L. Verweire, Bldg. 26-5, received \$7.50 award on his sug-

gestion of a change to the construction of Ames indicators.

Leslie E. Swank, Bldg. 17-2, suggested a change to the wheel dresser used in Bldg. 17-2 that brought him \$7.50 award.

One hundred and four awards of \$5 each were granted as follows:

Ruth A. Weaver, Bldg. 19-5, supplying automatic screw drivers for starting test terminal screws in Bldg. 19-5.

Homer J. Tinkel, Bldg. 19-4, supplying valves for air hose in Bldg. 19-4.

Fred Hambrock, Bldg. 18-4, change to receiving report used for restaurant goods.

Arthur McNamara, Bldg. 19-5, supplying foot rests at punch presses in Bldg. 19-5.

Kathleen C. Nelson, Bldg. 19-5, use of Hotchkiss paper fasteners.

Wm. McClish, Bldg. 19-1, supplying light at time clock in Bldg. 19-1.

E. J. Wagner, Bldg. 17-1, change to door in Bldg. 17-1.

Wardner Myers, Bldg. 19-2, supplying shield at buffing wheel in Bldg. 19-2.

Esther Ulmer, Bldg. 26-2, change to wiring in Test Dept. in Bldg. 26-2.

Wilbert B. Putt, Bldg. 4-1, supplying pounding steels in Bldg. 4-1.

Leo Walters, Bldg. 4-5, change to lengths of cables used with certain fractional hp. motor-generator set panels.

Robert W. Kessens, Bldg. 19-2, supplying guard on punch press in Bldg. 19-2.

B. J. Skevington, Bldg. 26-4, change in window in Bldg. 26-4.

Edward J. Cade, Bldg. 19-5, reusing tissue paper in Bldg. 19-5.

Harold George, Bldg. 26-4, placing pins in blanking die used in Bldg. 26-4.

Clayton Barrick, Bldg. 19-1, supplying a device for pulling armatures in Bldg. 19-1.

Emmet A. Wilkinson, Bldg. 19-4, use of wedge with drill jig in Bldg. 19-4.

Lorain Chapman, Bldg. 20-1, supplying a permanent ladder at blower in Bldg. 19-1.

John A. Ayers, Bldg. 19-1, supplying an air connection at Test in Bldg. 19-1.

Fern L. Rutledge, Bldg. 19-2, supplying a guard at rheostat in Bldg. 19-2.

Joe Schible, Bldg. 2-1, supplying a bench at press in Bldg. 2-1.

Kent Trapp, Bldg. 4-1, supplying a shield at lathes in Bldg. 4-1.

Bryan J. Mitchell, Bldg. 4-4, supplying hand holes in boxes used in Bldg. 4-4.

Robert J. Arnett, Bldg. 4-1, supplying a cover for solder pot in Bldg. 4-1.

Robert J. Arnett, Bldg. 4-1, supplying a device for pulling commutators in Bldg. 4-1.

Carl Rehling, Bldg. 20-2, marking aisles in Bldg. 26-2.

Sam F. Buckley, Bldg. 4-3, supplying cranes for use in Bldg. 4-3.

Cloyce S. Pedan, Winter Street plant, supplying a guard at oven at Winter Street plant.

E. C. Stuckman, Winter Street plant, supplying a rack for holding evaporator coils at Winter Street plant.

Margaret Kohrman, Bldg. 26-2, change to tape holder in Bldg. 26-2.

Sylvester Rodman, Bldg. 26-2, supplying devices for control instruments in compound oven in Bldg. 26-2.

Leroy M. Crider, Winter St. plant, supplying a drip pan at conveyor at Winter St. plant.

Stanley Emery, Bldg. 26-1, supplying equipment for test in Bldg. 26-1.

William A. Heller, Winter St. plant, supplying a guard for machine at Winter St. plant.

Wilmer Maloney, Winter St. plant, supplying a metal top for crating bench at Winter St. plant.

Wilemer Maloney, Winter St. plant, supplying a ventilator at Winter St. plant.

Burl A. Tillman, Winter St. plant, change to equipment used for purging machine at Winter St. plant.

Geo. F. Zeis, Bldg. 19-2, supplying a double notching die for use in Bldg. 19-2.

Emery Spade, Bldg. 26-4, change to light used at inspection operation in Bldg. 26-4.

A. Deininger, Bldg. 19-1, supplying a plate for balancing stand in Bldg. 19-1.

Clayton Barrick, Bldg. 19-1, eliminating dowel pin holes from CD-117 magnet frames.

R. F. Vorndron, Winter St. plant, change to gland on refrigeration machines.

(Continued on page 15)

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13

May 17, 1929

No. 5

New Quarter Century Men

Harry Zimmerman

Harry Zimmerman, Meter Dept., qualified for membership in the Quarter Century club on April 29th.



Harry Zimmerman

A break in service of only a relatively few weeks is all that kept Mr. Zimmerman from being eligible for membership two years ago. He started work here in what was then the Fan Motor Dept. in

1902 and recalls the interesting fact that the department built a few small power motors for exhibition at the St. Louis Purchase Exposition in 1904. During the few weeks that Harry was away from the General Electric he tried firing on the railroad. When he returned here he was assigned to work in the Meter Dept. under A. F. Strube. Meters then were built and assembled in Bldg. 2-3. About 1907 the Meter Assembly was moved to Bldg. 16-2 and Zimmerman worked in that location until about 1917 when the Meter Dept. was moved to Bldg. 19.

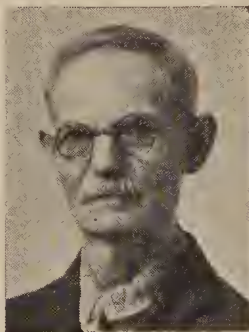
Since May 27, 1910, Mr. Zimmerman has been a member of the Works Volunteer Fire Dept., and

is now an assistant chief. He was elected first vice president of the G-E Club when it was organized in 1927, and has just been elected bond director of the G-E Employees Securities corporation to serve during the current year.

* * *

Carl Goethe

CARL Goethe, who works out the floor credits on pools for the section of the Meter Dept. under foreman John Smith, Bldg. 19-4, has just been elected to membership in the Quarter Century club. Mr. Goethe started work April 3, 1903, and has 26 years



Carl Goethe

of continuous service to his credit. He first worked for Link Johnson in the yard force. Then he worked in the Receiving Dept. as clerk for a time and from the Receiving Dept. was transferred to the Meter Dept. under A. F. Strube, starting in as a helper. Later he was made inspector, a position which he held for many years. In fact, it was only about two years ago that he was transferred from inspection under Mr. Bucher to the cost section to handle the group incentive work. Mr. Goethe is a resident of our neighboring town, New Haven.

Absent Employees

(Continued from page V)

Methodist hospital recovering from injuries received in an accident. She reports that she is feeling much better.

Fred D. Meyers, Winter Street plant, recently entered the Irene Byron sanitarium for treatments. His condition is not serious.

Altha Miller, Small Motor Dept., Bldg. 17-2, is now at her home at 1433 Grant Ave. recovering from an operation.

Wm. Grant Ramsey, Small Motor Dept., Bldg. 17-2, is at home at 1002 Phillips St. recovering from an operation. His condition is good.

Gerald Scott, Small Motor Dept., Bldg. 4-B, is recovering from typhoid fever. He is at his home at 1812 Sinclair St.

Harold Smith, General Service division, is also recovering from typhoid fever. He is now at his home at 1212 McClellan St.

Annette Turnbull, Meter Dept., Bldg. 19-5, who has been absent from work for several weeks, reports that she is better.

Ralph Wilkerson, Transportation Dept., who is a patient at the Lutheran hospital, recovering from an appendicitis operation, expects to leave soon for his home at 319 W. Williams St.

Lucille Reidenbach, Small Motor Dept., Bldg. 17-2, is a patient at the Lutheran hospital where she underwent an operation recently. She is getting along nicely and no doubt will be able soon to leave for her home.

William Norris, Small Motor Dept., Bldg. 4-5, is a patient at the Lutheran hospital, recovering from a recent operation. He reports that he expects to leave for his home in a few days.

Stella Moorman, Transformer Dept., Bldg. 26-2, is now at her home at 442 E. Suttentfield Ave., recovering from an operation.

Hilda Hammersmith, Small Motor Dept., Bldg. 17-2, is now at her home, 1135 Clara St., recovering nicely from her recent operation.

Howard Young, Winter Street plant, is a patient at the Methodist hospital, recovering from injuries received in a motorcycle accident. He hopes to be able to return to his home at 813 Canal St. in a very short time.

John Sorg, Shipping Dept., Bldg. 6-2, is confined to his home at 425 W. DeWald St. by illness.

Wayne Watt, Refrigeration Dept., Bldg. 37, who has been ill for several weeks, reports that he is improving.

Charles Warthen, Small Motor Dept., Bldg. 4-3, is confined to his home at 2015 Freeman St. His condition is slowly improving.

Frank Votrie, Small Motor Dept., Bldg. 4-1, who has been confined to his home at 3218 Lafayette St. for several weeks, is improving.

Emma Kindt, Meter Dept., Bldg. 19-4, has been confined to her home at 1701 Spy Run Ave. for several weeks. She reports that she is feeling better.

Eli Mountz, Winter Street plant, is at the St. Joseph hospital suffering from high blood pressure. Although as yet he has seen very little change in his condition, we all hope that he soon will be better.

Fred May, Meter Dept., Bldg. 26-4, who has been absent from work for several weeks, reports that he is planning to return soon.

Melvin France, Transformer Dept., Bldg. 26-1, has been unable to be at work for several weeks because of complications which developed after an attack of the flu. He is now feeling better.

Thelma Clements, Material List Dept., Bldg. 18-5, who has been ill for several weeks, expects to resume her duties about the middle of May.

Joe Kees, of New Haven, an employee of Winter Street plant, for several weeks has been unable to be at work.

Works Managers Announce New Vacation Plan

ON May 2nd a plan extending the privilege of a week's vacation with pay to every hourly paid employee and pieceworker in the employ of our Company with a continuous service record of three years, and two weeks with pay to everyone with ten years of service, was announced by all G-E Works managers.

The plan was announced before the various Works Councils, Plans of Representations, and other representative bodies in the various Works. It was well received by all bodies before which it was announced.

Following the announcement by the Works managers, posters describing the details of the plan and its method of application were placed on all bulletin boards, and leaflets also explaining the plan were distributed, in order that every employee might become familiar with it.

Previous to the announcement by the Works managers, the vacation plan had been under consideration for some time by the manufacturing committee, which is composed of Vice President C. C. Chesney, chairman; E. W. Allen, vice president; J. E. Brobst, manager, Bloomfield Works; J. T. Broderick, secretary; W. R. Burrows, vice president; W. Stewart Clark, manager, Bridgeport Works; F. P. Cox, manager, West Lynn Works; N. J. Darling, manager, River Works; B. L. Delack, manager, Schenectady Works; G. A. Elder, assistant manager in charge, Philadelphia Works; H. L. R. Emmet, manager, Erie Works; C. E. Eveleth, vice president; W. S. Goll, manager, Fort Wayne Works; A. B. Lawrence, assistant manager in charge, Baltimore Works; W. H. Roberts, manufacturing manager, Incandescent Lamp Dept.; J. W. Upp, manager, Switchgear Dept.; and E. A. Wagner, manager, Pittsfield Works, and John Hood, manager, Oakland Works.

For those who are not yet familiar with the details of the plan, they are reprinted here in full:

Article I PURPOSE

The purpose of this plan is to enable piecework and hourly paid employees to earn annual vacations,

The Vacation Plan

Schenectady, April 24, 1929.

To Works Managers:

As you are aware your recommendations for an extension of the vacation privilege, with pay, to hourly paid and piecework employees were finally agreed to at the meeting of the Manufacturing Committee of April 16th.

Such recommendations contemplate the granting of one week's vacation for employees of the class referred to after the completion of three years of service and up to ten, and of an additional one week's vacation to the week which they now receive, for employees having a continuous service of ten years or more.

The plan embodying these changes and outlining the conditions under which vacations are to be granted is included in Manufacturing Committee minutes of April 16th.

This plan has received the approval of the Board of Directors, and may therefore be announced to employees.

Yours very truly,

C. C. CHESNEY,
Vice President.

with pay, after certain periods of continuous service and by prompt and regular attendance. Full effectiveness of this plan can only be achieved by complete co-operation on the part of employees.

Article II EMPLOYEES ENTITLED TO VACATIONS

All employees who shall have established by April 1st or October 1st of each year a record of three or more years of continuous service and who also have a record of regular attendance during the preceding year shall be entitled to vacations with pay during the current year—the vacation to be one week for employees with a service record of three years and less than ten years, and two weeks for employees with a service record of ten years

or more, qualified by Articles III and IV. For the purpose of this plan employees' records of continuous service and regular attendance will be determined according to the following rules in Articles III and IV.

Article III

RULES GOVERNING CONTINUITY OF SERVICE

The conditions governing continuity of service, such as absence for illness, layoff or termination of service, will be in accordance with the regular Company rules.

Article IV

RULES GOVERNING REGULAR ATTENDANCE

Employees of Over Three Years' and Less Than Ten Years' Service:

1. Absence of more than 30 working days during the calendar year preceding the year of vacation, for all personal reasons, shall be considered a break in employee's regular attendance record and in such case he will receive no vacation.

2. All reasons will be considered personal reasons, except absence due to layoffs from lack of work, jury duty, military duty, and attendance at military training camps.

3. Half days will be cumulative in computing any absence. Saturday forenoon will count as a full day in plants closing at noon.

4. Special consideration may be given in the case of an employee absent on account of (a) prolonged illness; (b) in case of injury sustained while on duty.

Employees of More Than Ten Years' and Less Than Twenty- five Years' Service:

The rules applying to employees of over three years' and less than ten years' service apply to employees of more than ten years' and less than twenty-five years' service, except that the vacation of such last named class of employees in no event will be reduced to less than one week under the rules of this article.

(Continued on page 11)

Celebrating An Epoch

Light's Golden Jubilee to be Tribute to Thomas A. Edison



IT is given to few men to look back over fifty years and see the blessings their genius has showered upon a grateful people—rarely is it possible for grateful people to express to a living man their appreciation of his gifts.

Light's Golden Jubilee is that sort of tribute to Thomas Alva Edison. Though his life is filled to overflowing with contributions to the public good, he will always be best remembered and best loved as the Father of the Incandescent Lamp.

The invention by Edison of the first practical incandescent lamp on October 21, 1879, ushered in the Age of Light. Just a hundred and ten years before, James Watt inaugurated the Age of Steam by his invention of the steam engine.

But what a difference in the two epochs, so far as their creators are concerned! Watt never lived to see the wonders of the Age he created. Nearly a century passed before the public had duly appraised the Age of Steam in which it lived—and then the Age of Steam was already passing. The Age of Light, however was—almost from its beginning—a vital, inspiring and beneficial force in the national life. It is hard to appreciate what tremendous influence, what far-reaching consequences, what amazing miracles of health and wealth this epoch has built up, because its founder is still alive, still laboring mightily in the interests of his fellows.

The sponsorship of Light's Golden Jubilee lies in singularly appropriate hands. First, the Edison Pioneers—that unique little group of veterans of the Age of Light who helped, and are still helping, to develop this wonderful epoch. Among the members are outstanding figures in industrial America—including Henry Ford. The Edison Pioneers meet once a year on Edison's birthday to honor the "chief." At the annual meeting held February 11, 1929, this "Old Guard" suggested Light's Golden Jubilee to the world at large.

The response to this suggestion was immediate and enthusiastic. One of the first steps was the formation of a sponsoring committee of distinguished men and women representing every field of human endeavor.

It goes without saying that the sponsor of Light's Golden Jubilee will have the support of a united electrical industry, an industry that is privileged to bring the comforts of electric light to more than 19,000,000 homes. It goes without saying that Henry Ford, who terms Light's Golden Jubilee "the big opportunity of the year for all of us," will contribute mightily to its success.

The observance begins with an announcement to the electrical industry that on October 21st it will have the opportunity and privilege of participating with the world in this jubilee.

This notification will be made at Atlantic City during the first days of June, when the National Electric Light Association will open the new \$5,000,000 auditorium on the Boardwalk.

During the convention, one day will be set apart as Edison Day. On this day, detailed announcement of Light's Golden Jubilee will be made, and the official plan book will be distributed.

The attention of the public will be called to the subject during the

summer and early autumn. A speakers' bureau has been organized and will provide a force of speakers who will carry the story to more than 10,000 chambers of commerce, advertising clubs, Rotary clubs, Kiwanis clubs, Women's clubs, Boy Scouts, Girl Scouts, Campfire Girls of America, lodges, etc. Governments and institutions throughout the world will also find opportunity to honor the founder of the Epoch of Light. Trained writers will cover the events of the celebration as they occur. News reels and "talkies" will help to impress the magnitude of the jubilee.

On October 19th, two days before the actual celebration, *The Saturday Evening Post* is expected to point the tribute of the lighting industry to its founder. This tribute will take the form of a special section in the magazine, to be printed in full colors. Nothing like this section has been attempted before in the history of lighting. Picture more than 23 pages, aglow with color, bearing the message and the spirit of the lighting industry to more than 3,000,000 people. No greater history of an industry has ever been written.

Many magazines are expected to carry advertising messages to herald Light's Golden Jubilee. Local public service corporations, electri-



cal jobbers and dealers will have an opportunity to tie in with newspaper sections, in a practical way.

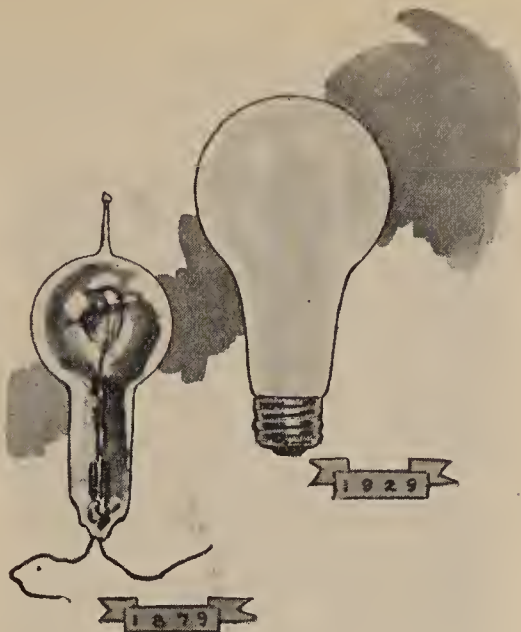
All over the land replicas of the first lamp built by Edison will be on display. Stores will have their windows decorated in the spirit of the jubilee. Exact reproductions of *The New York Herald* of December 11, 1879, announcing the invention of "Edison's Light," the light which burned "without gas or flame, cheaper than oil," will be distributed to hundreds of thousands of homes through many different channels.

On the night of October 21st, the attention of the world will be focused on Dearborn, Michigan, where Henry Ford has done a characteristic thing.

There, in connection with the Edison School of Technology, which he has built and endowed as a practical monument to his former "chief," Menlo Park lives again. Surrounded by modern technical education, the buildings in which the Age of Light came into being stand as they stood on that day, fifty years ago, when Edison produced the first practical incandescent lamp. Not reproductions, not exact replicas, but the very buildings themselves, down to the very last detail.

And not only the old wooden laboratory and Mrs. Jordan's boarding house where Edison's little band of co-workers ate, slept, dreamed and argued, but the old lathes, the old work benches, the old lamps. And more. From all over the country where they have strayed in fifty years, Ford has brought together the old machinery of these days. The old wood-burning boiler, wrecked, beyond the ingenuity of a Ford to repair, on the shoals of fifty years, is there in spirit, to puff, and wheeze through the agency of a reproduction. At a twist of the hand the steam will rush through the lines; another movement, and the old generators will begin to hum a further adjustment, and the old lamps are burning. All the machinery is oiled and greased—and ready.

Under such conditions will Light's Golden Jubilee come to fulfillment.



First, the dedication of the Edison School of Technology by the epoch maker himself.

Second, the dinner which Henry Ford will give to Edison and a large group of distinguished citizens—including the Edison Pioneers—that evening. After the dinner, which will take place in the Engineering Building, the guests will walk across to the laboratory. Once more, Edison—surrounded by his family, his old pals the Pioneers, and the country's great—will be back in the atmosphere of 1879. From the floor below the old laboratory will steal the music of 1879.

And then the world will be there through the instrumentality of the greatest hook-up of radio stations ever put together for a single event. And what more appropriate way to invite the world to this great celebration? Wasn't it Edison who, in 1883, discovered an electrical phenomenon known as "Edison's Effect" in connection with his electric lamp, which covers the foundation principle on which every modern radio lamp or tube is based?

Orders Received Show Big Jump

Editor's Note.—The orders received for the first quarter of the present year total the largest amount of orders received for any quarter in the Company's history, and the sales billed for the first quarter were the largest first quarter billings in its history.

ORDERS received by the General Electric Company for the first quarter of 1929 amounted to \$101,365,208 compared with \$79,925,840 for the corresponding three months of last year, an increase of 27 per cent; according to an announcement made public by President Gerard Swope, announced on April 16th.

Sales billed for the first three months of 1929, announced on April 22nd by President Swope, amounted to \$83,385,015.49 compared with \$71,640,790.40 for the corresponding period last year, an increase of 16 per cent. Profit available for dividends on common stock for the first quarter of 1929 was \$13,862,298.06 compared with \$11,261,842.71 for the same three months last year.

The profit available for common stock for the quarter is equivalent to \$1.92 per share in 1929 and \$1.56 per share in 1928.

Twenty-one directors of the Company were re-elected at the annual meeting of the stockholders of the Company held at Schenectady on April 16th. The Board of Directors elected officers of the Company at their meeting on May 3rd.

Comparative statement of sales and earnings for the first three months of 1928 and 1929 is given in the table printed below:

	1929	1928
Net sales billed.....	\$83,385,015.49	\$71,640,790.40
Less: Cost of sales billed, including operating, maintenance and depreciation charges, reserves and provision for all taxes.....	73,206,207.14	63,404,807.62
Net income from sales.....	10,178,808.35	8,235,982.78
Other income, less interest paid and sundry charges....	4,327,177.96	3,669,504.23
Profit available for dividends.....	14,505,986.31	11,905,487.01
Less: Cash dividends on special stock.....	643,688.25	643,644.30
Profit available for dividends on common stock (7,211,481 84/100 shares issued).....	\$13,862,298.06	\$11,261,842.71

Here and There With the G-E Cameraman



"Elec," the symbol of electric service adopted by the American Gas and Electric Co., winks his eye and wiggles his finger



M. P. Rice, manager of broadcasting, and Walter Damrosch, conductor of the orchestra that completed a series of concerts for the G-E Hour on May 11th



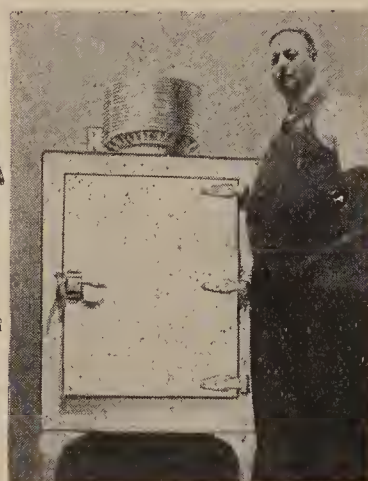
This new G-E airport beacon is totally enclosed to protect it from the elements and to insure performance under all conditions



Davis Island, Tampa, Fla., covering 832 acres, was pumped out of Tampa Bay by dredges operated by 1000-hp. G-E motors



The muscle work of 9 men working on this machine in 3 eight-hour shifts could be done by a G-E $\frac{1}{8}$ -hp. motor



One "cooler" wasn't enough for H. L. Hubbel, county jailor, San Diego, Cal., so he bought a G-E refrigerator



This G-E Ward-Leonard controlled electric shovel used in strip coal mining scoops up 12 cu. yards of material at each bite

Around the World with General Electric

Spain

Spain and France are separated by a most effective chain of natural fortresses, the Pyrennes mountains, which in war time are very desirable. Unfortunately, these mountains also separate the two countries in time of peace, and interfere with friendly intercourse and commerce. Some years ago plans were made for three tunnels through the heart of this range, and last year marked the opening of the first through line which has its terminal at Canfranc at the Spanish end of the tunnel. A second route, furnishing a shorter route between Paris and Barcelona will be opened this year. And the third, which crosses the frontier near the interesting little country, Andorra, will be completed in the near future. The electrical equipment required for the construction and maintenance of the tunnels was supplied by the French G-E affiliated company.

Australia

The G-E synchronous condenser, recently ordered by the State Electricity Commission of Victoria will probably be the largest single unit set installed in the British Empire. This set was ordered in connection with switchgear for a 132,000-volt transmission line to be constructed between Yallourn and Melbourne. The condenser is rated at 30,000 kv-a. and the set will be started by a push-button control operating in conjunction with the induction type starting motor. The set will be supplied complete with accessories and contactor panels, and is due to be installed in Melbourne towards the end of 1929.

Buffalo

The Curtiss Aeroplane and Motor Company recently ordered eight 1000-hp. and three 100-hp. G-E dynamometer equipments. This testing apparatus was purchased for the new engine plant. In addition, the order included two 500-hp. blower motors to supply air for the wind tunnels, one 500-kw. motor-generator set and one 300-kw. motor-generator set.

Colombia

Anyone who has ever taken a ride in the little car of an aerial cableway certainly must have wondered what would happen if the cable broke or if the car started to slide down the cable with the brakes out of control. The authorities of Manizales, where there is a system of aerial cableways to bring coffee and passengers from the coffee plantations to the railroad, were faced with the problem of keeping a car under control even when there was no counterbalancing car going up the incline. The counter compression of a steam engine would not do, regenerative braking was not sufficient and no mechanical brake or electric solenoid would ever stop the machinery once it got up speed in the wrong direction. Mr. R. Fawcett, of the Bogota office of our Colombian Company, finally devised an oil pressure governor for the hydraulic turbines that would brake the machinery at the very first tendency to overspeed. The device successfully solved the problem.

Ohio

Shoveling coal from a freight car into wheelbarrows, wheeling the barrows to the ship and dumping it into the hold, was indeed a slow laborious process. And this method of transferring coal from railroad car to ship was long ago abandoned. But the devices of trapdoors on cars and conveyor systems, of steam shovels and the like did not cut the time down enough. So some impetuous engineer, like a child playing with a toy train, decided to pick the entire car up and dump its load of coal into the hold of the ship directly. The Toledo and Ohio Central Railroad, a subsidiary of the New York Central, has erected a tower on one of its Lake Erie docks that will lift and dump forty cars an hour, and is planning a larger one that will handle one car a minute. The speed and great power required for such a machine was supplied by two G-E 450-hp. shunt-wound d-c. motors.

Akron

The largest building in the world is now being built at Akron to house the new super-Zeppelin which the Goodyear Zeppelin Company recently contracted to build for the United States Government. This Zeppelin hangar, which is to be 1200 feet long, 325 feet wide and 200 feet high, can have no bracing in the interior, the entire support coming from the outer walls. There will be two doors, shaped like a quadrant of orange peel, at each end of the building. Each of these doors, weighing 600 tons, will rest on 40 wheels which will run on standard gauge railroad track. The electrical equipment for operating the doors will be G-E apparatus, four 100-hp. two-speed slip-ring motors, complete with electro-hydraulic brakes and complete automatic control.

Barcelona

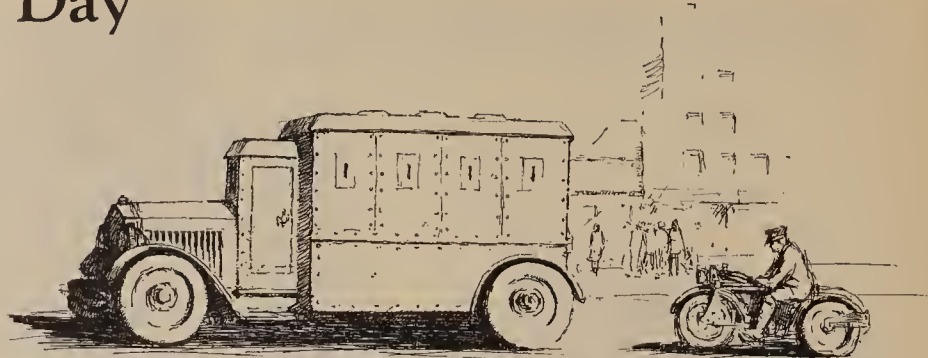
Though Barcelona is Spain's most important commercial center and the third largest port in the Mediterranean, it is also one of the most beautiful cities in the region. Industry and commerce have not robbed it of its wide tree-shaded streets on which the people love to take their evening promenade. Yet the traffic on these streets in the busier part of the city has grown to such a volume that it has been found necessary to install a traffic signal system. Mr. J. P. Lucio, chief engineer of our Spanish affiliated company, competing against American, German, English and French concerns, finally succeeded in obtaining an order for \$25,000 worth of traffic equipment.

Brazil

Porto Alegre will soon be one of the best lighted cities of South America. The G-E has just received an order for 700 Union Metal standards, Novalux units, transformers and lamps from the local lighting company, Cia. Energia Electrica Rio Grandense. Together with the original installation, the city will have in all, some 1000 lighting standards and brackets in its streets.

The Armored Car Has Its Day

*Direct Deposit Method Of Payment,
Now Used In Many Works,
Makes It Unnecessary*



DURING the past few years the various possible methods of paying wages and salaries to G-E employees have been under study. The object of these studies has been to find, if possible, a method of payment which is more convenient for employees and more satisfactory from the standpoint of the Company.

It was found that two methods of payment—payment by check and payment by “direct deposit”—both offered advantages over the cash payment method. Some large concerns had been paying wages by check for 25 years or more, but these are comparatively few. The majority of check systems used by large concerns had been installed since 1918, a year which marked the beginning of a period of unparalleled banditry and outlawry. The necessity for armored cars and armed guards constituted the best possible reason for trying to get rid of the old cash method of paying wages.

The payrolls of the G-E Works run into amounts sufficiently large to invite attack by desperate organized payroll bandits. Although there have never been any robberies, the hazard has always been great. The lives of payroll employees are always in danger. The chief reason for desiring a change was therefore to secure safety from this ever-present menace.

During the past several years, improvements in methods of wage payment have been adopted by one Works after another. In some Works the employees on office and factory rolls have first been offered the privilege of having their wages deposited in any bank or trust company that they might choose to name. Upon the general acceptance of this plan, it has been extended to the rest of the Works employees as well. In other Works the privi-

lege has been offered to all employees at the same time. In still other Works the plan has so far been put into effect for certain classes of employees only; but in these latter Works it will also be extended to all employees shortly.

The combination scheme—payment by check or by direct deposit in the bank—may be said to be very generally in effect now, and it has been found to have many advantages over the old cash method of payment. A few employees, however, have not fully understood the advantages of the plan; and the following brief description may help to make these clear.

How It Works

On pay day each individual employee is given a check or a deposit slip for the amount due him. He gets the check if he wishes to receive the money himself. He gets the deposit slip if he is having his wages deposited directly for him in his bank. This deposit slip is a duplicate, the original copy already having been sent to the bank. The duplicate deposit slip merely indicates to the employee that his bank account has been credited with the indicated amount and may be drawn by check whenever he chooses.

Advantages of Direct Deposit

The advantages to the employee of the direct deposit plan over the check plan are, briefly:

1. It makes earnings immediately available through the use of personal checks.
2. It affords a method of keeping a continuous record of the way money is spent, by means of check stubs.
3. It establishes banking relations.

4. It promotes thrift, since unspent money is in the bank instead of in the pocket.

5. No one need know the amount of any individual's earnings, since they are deposited automatically. This would not be true if checks were cashed by the neighborhood grocer or butcher.

6. The loss of wages is impossible. When cash is lost it is gone forever; when a check is lost there is a chance, unless payment is stopped in time, that the money it represents may never be recovered. When wages are deposited direct, all chance of loss is eliminated.

Before this plan was started in each G-E Works, officers of the leading banks were interviewed. All agreed to co-operate with the Company and employees in carrying it out.

An interesting individual case of the way the plan works was reported some time ago. Someone asked a man in one of the shops how he liked having his wages deposited.

“Fine!” he said. “You know I have about \$14 more because of that deposit plan. I always used to have about 60 cents loose change in my envelope. I used to put that into my pocket and spend it, and I never knew where it went. Now it goes right to the bank!”

Another case is that of a lad who found that his balance had grown to be \$34 more than he had planned. This enabled him to buy for cash a new battery for his car and still have some surplus.

One of the most interesting aspects of the new method of wage payment is the way it promotes thrift. Through their experience in

keeping their check stubs balanced, more and more employees are finding out just exactly what their living expenses are. This is giving them their first real experience in budgeting their expenses, for when one item of expenditure gets too high the stubs in the check book indicate the fact. The result is that they are watching expenses more carefully.

Someone has said: "Success does not necessarily mean wealth, nor does it necessarily mean high place in public life. It really means the satisfaction or contentment which comes from having done the job well, of having measured up to the requirements of one's conscience, and having accumulated for those dependent upon one a competence which will make them comfortable and as happy as it lies within the power of anyone to be happy."

It is felt that the new method of payment by check or direct deposit is helping more employees to achieve this goal. It is the means of bringing employees into more intimate touch with banking in general, which is the true nervous system of the business world. It provides for the safety of the G-E payroll employees. It provides for all G-E employees where it has so far been adopted a safer, more sensible, and more generally satisfactory means of receiving and caring for their earnings than they have had before.

Safety Contest Report

NEW Kensington and York are still tied for the lead in the Inter-plant Accident Prevention Contest according to the March report of the committee. The race is tightening up in spots. Bridgeport leads Baltimore by 0.005, and Fort Wayne leads Erie by the small margin of 0.01. The standing of the plants is as follows. An asterisk indicates improvement over the previous month.

DIVISION 1	DIVISION 2
New Kensington	*Pittsfield
York	*Fort Wayne
West Lynn	*Erie
*Bridgeport	*ALL PLANTS
Baltimore	*Philadelphia
*Bloomfield	Schenectady
Oakland	*River Works

Death Claims Paid, Disability Claims Allowed During March, 1929

Death Claims						
Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Add'l Ins.
Schenectady Works						
16	Jan. 17	James Mephram.....	71	Son	Yes	Yes
18	Feb. 5	Vincenzo Pasquariello.....	44	Pending	Yes	Yes
28	Feb. 10	Elgin A. Johnson.....	80	Daughter-in-law	Yes	
13	Feb. 19	Frank J. Gill.....	58	Wife	Yes	Yes
19	Feb. 25	John S. Walsh.....	63	Sister	Yes	Yes
23	Feb. 27	Earl L. Ferguson.....	40	Uncle	Yes	Yes
5	Feb. 27	Arthur Gemlich.....	51	Wife	Yes	Yes
16	Feb. 27	John Sposito.....	33	Mother	Yes	Yes
1	Feb. 28	William A. Wood.....	22	Wife	Yes	Yes
26	Mar. 3	William J. Rynex.....	56	Wife	Yes	
27	Mar. 5	Irving Decker.....	66	Wife	Yes	Yes
8	Mar. 6	William Wagner.....	50	Wife	Yes	
12	Mar. 9	John I. Roberts.....	63	Wife	Yes	Yes
27	Mar. 16	Patrick J. Nolan.....	60	Wife	Yes	Yes
11	Mar. 22	Elmer E. Campbell.....	30	Wife	Yes	Yes
River Works						
19	Mar. 3	Richard T. Willis.....	67	Wife	Yes	Yes
6	Mar. 8	Emma Landry.....	39	Sister	Yes	Yes
9	Mar. 20	Albert T. Parkhurst.....	57	Wife	Yes	Yes
West Lynn Works						
27	Feb. 12	George T. Jackson.....	70	Wife	Yes	Yes
10	Mar. 12	James H. Holland.....	59	Daughter	Yes	Yes
Pittsfield Works						
28	Feb. 13	Percy N. Moore.....	53	Mother	Yes	Yes
6	Feb. 27	Isidore L. Senecal.....	28	Mother	Yes	Yes
Ft. Wayne Works						
17	Feb. 25	Peter F. Shanaberger.....	49	Children	Yes	Yes
Bloomfield Works						
10	Feb. 21	Mathias Franz.....	61	Wife	Yes	Yes
Baltimore Works						
3	Mar. 7	Louis W. Singleton.....	45	Wife	Yes	Yes
The Maqua Company						
6	Mar. 1	Harry J. Menges.....	34	Mother	Yes	Yes
Incandescent Lamp Dept.						
21	Feb. 9	George W. Patterson.....	54	Wife	Yes	Yes
2	Mar. 7	Cecelia Zielinski.....	20	Parents	Yes	Yes
11	Mar. 19	William M. Rhodes.....	56	Wife	Yes	Yes
4	Mar. 20	Florence Jozefkowicz.....	22	Mother	Yes	Yes
11	Mar. 20	Chloe Wurzel.....	48	Husband	Yes	Yes

	Free Insurance No.	Amount	Additional Insurance No.	Amount
Claims paid month of March, 1929.....	30	\$31,598.54	28	\$46,500
Claims paid previously reported, 1929.....	82	95,857.21	82	121,500
Total claims paid 3 months 1929.....	112	\$127,455.75	110	\$168,000

Disability Claims				
Years	Date of Grant	Employees	Age	Add'l Ins.
Schenectady Works				
14	Mar. 9	Raffael Larutario.....	56	Yes
28	Mar. 9	Charles Harris.....	58	Yes
33	Mar. 13	Alfred D. Quay.....	57	Yes
25	Mar. 28	William Saitkowski.....	57	Yes
River Works				
2	Mar. 8	Michael Milano.....	38	Yes
26	Mar. 13	Isaiah L. Larrabee.....	59	Yes
Chicago Office				
18	Mar. 20	Hugo W. Biedenbender.....	47	Yes
Disability claims approved March, 1929.....			7	\$11,500
Disability claims previously reported, 1929.....			8	12,000
Total claims approved 3 months, 1929.....			15	\$23,500
Total Death and Disability Claims paid since Jan. 1, 1920.....\$4,820,334				

G.E.M.B.A. Enters Ranks of Big Business

Eleven Associations Now Have Over 43,000 Members

By C. M. RIPLEY

THE winter flu epidemic proved to hundreds how valuable the G.E.M.B.A. is. If any other proof is needed, just glance at the following new facts about G.E.M.B.A. at the beginning of this year:

1. There are 43,518 members in 11 different G-E factories.

2. This is 74 per cent of the 59,000 workers on the payrolls of these factories.

3. Last year over a quarter of a million dollars was paid out as benefits to members.

4. Since the beginning, almost 2¾ million dollars in benefits have been paid to members.

5. Over \$150,000 are now in the treasuries of the Associations, available for emergencies.

6. Nearly three-quarters of a million dollars have been saved by escaping overhead expenses.

7. The success of G.E.M.B.A. is such that G-E factories in California, Maryland, Pennsylvania, New Jersey, Connecticut, Massachusetts, Indiana and New York now have successful Mutual Benefit Associations.

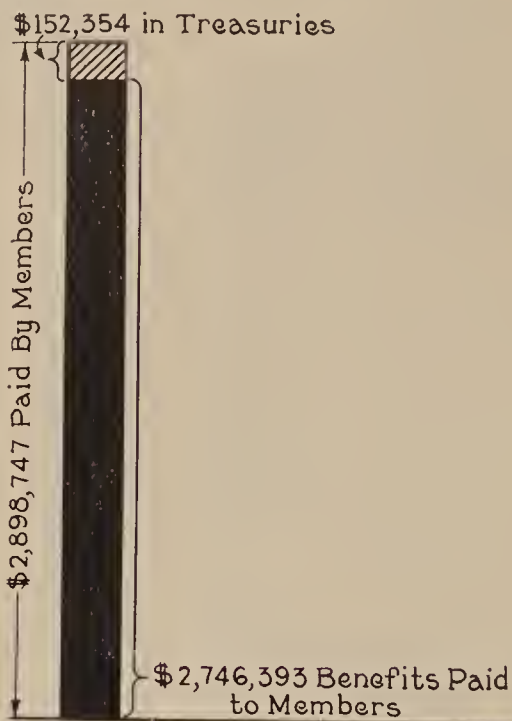
8. Total membership is larger now than it has ever been before. In other words, more workers are coming to realize how valuable membership can be.

What Overhead Might Have Done

If 25 per cent of the income of these associations had been paid out as "overhead"—that is for salary, rent, stationery, heat, light, etc.—the members would have "lost" \$724,687. But since there was no overhead, it means that nearly three-quarters of a million dollars were saved which might have been spent in the cost of administration.

It is an interesting fact that the dues from the members, plus the profits made from field days, etc., have brought into the treasuries a total (to date) of close to three million dollars! This really begins to come now into the realm of "big business."

Look at the table and the chart. The various officers in these associations have done a lot of unselfish work. The growth of the asso-



ciation shows that their work has been successful and is appreciated.

This table is arranged so that the Works which have the largest percentage of employees as members of the association are at the top of the list. It is a significant fact that West Lynn, where the Mutual Benefit Association was first originated 27 years ago, has the greatest per cent members. On the other hand the newer works like Philadelphia, Bridgeport, Oakland and Baltimore have many new employees who have not become acquainted with the advantages of the association.

Coffin Fellowships Granted To Eight Students

EIGHT fellowships have been awarded by the Charles A. Coffin Fellowship and Research Committee for the year 1929-30. These fellowships are awarded for one year and enable the recipients to enter into, or continue, original research work at institutions of their own choosing. This makes a total of 55 students who have held the fellowships since the establishment of the foundation in 1922.

The fellowships were awarded to the following:

H. L. Andrews, assistant in Physics Dept., Brown University, for research at Brown University.

R. F. Bacher, University of Michigan, to continue his research at this institution.

W. M. Bauer, Harvard Engineering school, to continue his research at this institution.

V. A. Brown, University of Arizona, where he will continue his research work.

E. A. Evans, student engineer of our Company, who will do research work at Stanford University.

N. E. Edlefsen, University of California, who will continue his research work in this institution.

G. R. Stibitz, Cornell University, who will continue his research work in this institution.

S. B. Thomas, Leland Stanford University, where he will continue his research work.

Summary

WORKS	No. of employees	No. of members Jan. 1, 1929	Per Cent members	Money paid to members last year (1928)	Total Money paid to members since formation	Money in treasury Jan. 1, 1929
W. Lynn Works.....	2,153	2,040	95%	\$12,823	\$106,982	\$7,477
Ft. Wayne Wks.....	6,880	6,000	87%	43,880	287,791	3,961
River Works.....	8,165	6,527	80%	45,848	282,976	18,524
(West Lynn and River Works together 1902-1921)					504,661	
Schenectady Wks....	21,709	16,752	78%	90,729	1,052,078	70,835
Pittsfield Wks.....	6,675	4,806	72%	15,737	160,136	13,872
Baltimore Wks.....	615	445	72%	4,598	35,469	2,955
Erie Wks.....	4,631	3,300	71%	27,029	223,198	11,675
Oakland Wks.....	192	122	64%	705	705	736
Bloomfield Wks.....	1,637	1,030	63%	5,258	44,178	13,005
Bridgeport Wks.....	3,368	1,490	44%	8,157	37,272	4,210
Philadelphia Wks....	2,932	1,006	34%	4,189	10,947	5,204
Total		43,518		\$258,953	\$2,746,393	\$152,354

74% of total of about 59,000 employees 1/1/29 in eleven Works.

French Point Is Calling!

*Those Planning to Attend
Are Urged to Get Their
Applications in Early*

NOW that fur coats have been discarded and spring can definitely be said to have arrived, G-E girls in the various Works and offices are beginning to think of French Point Camp, the camp which is maintained especially for G-E girls on the shore of Lake George in the Adirondack mountains.

Recently it was announced that French Point will open for its eighth season on Saturday, July 6th. It will remain open until around Labor Day, the exact date depending upon the number who sign up. This year, in response to the urgent demands of many of the girls, outsiders, those who are not G-E employees, will be admitted to the camp during the first two weeks and the last two weeks. The reason for this is that many G-E girls have outside friends, with whom they would prefer to spend their vacation time if they could. In order that they may do this and still not have to give up French Point Camp, this change in the rules has been made.

Many girls have already signed up for a week at Camp, and in the next week or so a great many more will do so. If you plan to go, therefore, you are urged to apply to the Industrial Service Dept., Schenectady Works, as soon as possible. This will insure you a reservation during the period when you would most prefer to have it.

The best way to find out what a week at French Point Camp is like is to ask the girl who's been there. It is a fact that most of the girls who have been to the Camp become repeaters, going again and again. And the reason is perfectly plain. It offers a complete change. Up at the camp on the shore of Lake George, with the towering Adirondacks all about you and the noise of cities, of typewriters and machinery; far behind you, you get a



OFF FOR A ROW

There's nothing like a good row for giving one an appetite

new taste of what life really is.

There's never a dull moment at French Point Camp. Lake George is certainly one of the most beautiful bodies of water in the United States. It lies, 36 miles long, in the lower ranges of the Adirondacks, its shores meandering irresponsibly, its surface dotted with many islets (which, incidentally, are wonderful for exploring purposes). The swimming is perfect, the water being so crystal-clear that you can see the bottom perfectly in fifteen feet of water. And if you don't care for swimming (you probably will before you've been there long, anyway) the boating is equally good fun.

The forty acres of land which have been set aside for the Camp offer attractions equal to those of the lake itself. There are tennis courts, a baseball diamond, and facilities for other sports. There are courses in nature study for those who are interested. And all through the adjacent woods there are abundant opportunities for fascinating hikes. Special excursions, also, give variety to life at the Camp.

Camping at French Point Camp combines all the advantages of the city with all the advantages of life in the open. It is not necessary to sacrifice comforts when you are at Camp. The girls live in specially designed screened tents, which may be opened wide all the way around, or closed tightly in a few moments.

(Continued on page 11)



THE CAMPUS

Here there is plenty of room for games of all kinds. The tennis court may be seen on the right

Mr. Young Tackles His Hardest Task

By EDWIN L. JAMES

In a way there is something heroic about Mr. Young's agreeing to serve on the second experts' committee. He had played an important part in making the Dawes plan and he could easily have sat back and left to some one else the job of completing that plan by fixing the total of German reparations, a task omitted from the work of the first committee for political reasons. Then, too, there was a chance of political repercussions in the work of the new committee, for it was inevitable that there should be discussion of the allied war debts to America, and there was danger that America and the American experts would be blamed for all the damage if the new committee did not succeed. Furthermore, Mrs. Young was ill and his acceptance meant leaving her behind in precarious health.

But when the call came so clearly Mr. Young must have regarded it as a duty to accept, and no one who knows him would doubt that he felt a strong personal interest in seeing the work through.

As all the other experts wished to discuss allied debts to America, since the Allies were asking of Germany what they must pay the United States, Mr. Young faced a situation that at the outset was full of dynamite. He saw it was useless and, indeed, unwise to try to rule that there should be no discussion of debts to America. So he let it be known that allied debts to America might be talked about to the heart's content of everyone, but that it must be understood they represented a constant factor and that the committee had not the slightest right to discuss any change in them. And on that basis has been all reference to war debts owing to the United States.

A Need for Diplomacy

Needless to say, this has required no little diplomacy and much presiding ability, but apparently there has been no grave effort on the part of any delegate to start anything which the chairman has made plain can get nowhere at this time.

As this is written the toughest part of Mr. Young's job lies ahead. For after all is said and done, despite all plans for an international bank and protection of German ex-



Mr. Young at the Funeral of Ambassador Herrick, in Paris

change and all that, the fundamental task of the experts, especially from the standpoint of European politics, is the fixation of the sum Germany must pay.

Plans for commercialization of reparations, plans for the sale of German Government bonds to liquidate part of the Reich's debt—all that depends on fixing the German annuity, for without an annuity which will be accepted by the Allies on one hand and by Germany on the other, the old Dawes plan will remain in effect and the new committee's work will come to nothing.

This is the second half of an article published originally in the New York Times, and reprinted by special permission, describing Owen D. Young and telling of his plans as chairman of the reparations committee. As the Works News goes to press the results of the committee's work are still in doubt, but of the manner in which Mr. Young has performed his share there can be no doubt at all.

In the completion of his plan Mr. Young has both an international and a national interest. Mr. Young is 100 per cent patriotic in hoping that, without the sacrifice of any country's real interests, eventually all debts left by the World War may be put on a business basis rather than remain on the present political basis. Certainly he must look forward to the day when the German reparations debt to the Allies will be on the foundation of a debt bonded on a purely commercial basis, and certainly no one would suspect Mr. Young of not seeing a similar advantage if eventually all the war debts could be put on the same basis. Who can doubt that in his plan for a great international bank he sees the start of a movement which finally may clear up the whole issue of war debts without the American Government's calling on the other governments to pay for threescore years or more to liquidate the war which ended long ago.

Hopes for His Work

Of course, he has no mandate from Washington. He has no license to speak for the American Government. But it is a very good guess that he hopes that out of his work on the experts' committee may come something which will lead to a better all-round arrangement of all war debts. Not that he has any plan for cancellation or further reductions by the United States. Not at all. But would it be wrong to say that through his study of the whole problem he sees the possibility of a better and more businesslike settlement which will give America as much repayment as the existing settlements, and at the same time take away from them some of the possibilities of political friction which they contain?

What bigger dream could a man have than a project for liquidating the debts among 300,000,000 fellow-beings left by the World War in which 8,000,000 men died? That is a worth-while undertaking if there ever was one. Billions of dollars to be paid by millions of men!

Least of all men would Mr. Young wish it to appear this is a private undertaking, for, of course, it is not. He would say he was only one of fourteen experts working on a specific problem. Yet that would be too modest, for Mr. Young's ideas run beyond the specific problem or problems on his committee's agenda. For example, there was no international bank on that agenda on the first day. And although there are fourteen men on the committee it remains true that leadership has fallen on the shoulders of Mr. Young, and he will get more praise or more blame than any one else for what is done or not done. He cannot escape that now.

New Vacation Plan

(Continued from page 1)

Employees With Twenty-five or More Years' Service:

There is no change of vacation plans affecting employees with service records of twenty-five or more years.

Article V

TIME OF VACATIONS

1. The vacation season will be from January 1st to December 31st. Vacations will necessarily be scheduled to conform to the requirements of the business.

2. No vacation shall be divided unless it is of two weeks' duration, in which case it may be divided into periods of one week each, with the consent of the management. It will

not be permissible to postpone vacations from one year to another or to waive vacations and draw double pay.

3. Holidays of any kind occurring during an employee's vacation will be counted as a part of his vacation.

Article VI

VACATION PAY

1. Pieceworkers or employees working on a similar basis will receive as vacation pay their average hourly earning rate for the last available regular statistical period of six weeks or more preceding the last week worked (excluding overtime) multiplied by the number of hours normally worked by them per day or week.

2. Hourly paid workers will receive as vacation pay their hourly rate in effect at the time of vacation, multiplied by the number of hours normally worked by them per day or week (excluding overtime).

3. Vacation pay may be drawn in advance on the day preceding the employee's vacation. Wages earned during the last week worked will be paid on or before the first regular pay day following the vacation.

Article VII

RESIGNATION, DISCHARGE, LAYOFF

1. Employees eligible for vacations who resign or are discharged for cause, prior to their vacations,

will not be entitled to vacations or vacation pay.

2. An employee entitled to a vacation who is laid off permanently will receive his vacation pay; if laid off temporarily for a time equal to his vacation or longer, such time may be designated as his vacation and he will receive his vacation pay but will be allowed no further vacation that year.

Article VIII

AMENDMENT OR TERMINATION

The Company reserves the right to change, alter or modify this Vacation Plan and these regulations, or to terminate the same at any time. Notice of such amendment or termination shall be conspicuously posted at each of the Works of the Company. Such amendment or termination, if issued prior to April 1st of any year, shall not apply to or effect any employee's claim for vacation during the balance of that year; if issued on or after April 1st, such amendment or termination shall not apply to or affect any employee's claim for vacation during that year or the year following.

* * *

The new vacation plan will go into effect immediately, and all employees who are eligible for a vacation under the rules printed above are at liberty to arrange for their 1929 vacation for any time between now and December 31st.

French Point Camp

(Continued from page 9)

The tents are equipped with electric lights and wooden floors and frames. Furthermore, there is the Rendezvous, a large and well-equipped club house with a huge fireplace and facilities for games.

The cost of attending French Point Camp is \$10 a week, a \$4 deposit being required at the time of application. This \$10 covers all expenses at the Camp, but does not, of course, include transportation. For outside girls the cost of attending is \$25, and a deposit of \$10 is required with the application. Even for the outside girl, you see, French Point Camp offers a vacation at a very reasonable cost.



OFFICERS AND DIRECTORS, G.E. EMPLOYEES SECURITIES CORP.

Left to right—Back row: William A. Flynn, Jr., River Works; Arthur E. O'Connell, Bridgeport; Harold Whittle, Bloomfield; Franklin H. Jeffries, Pittsfield; W. O. Hay, Jr., vice president. Middle row: L. W. Osborne, assistant treasurer and assistant secretary; Graham Calder, treasurer; C. W. Matthews, Schenectady; Charles M. Hall, West Lynn; I. G. Cullison, Baltimore; Harry E. Zimmerman, Fort Wayne; W. W. Trench, secretary. Front row: C. C. Chesney, vice president; Edwin Kalmbacher, Philadelphia; C. N. Mason, president; J. R. Lovejoy, chairman of the board; S. L. Whitestone, vice president; L. S. Mugford, vice president, Erie.

First Aid For Eye Injuries

By B. FRANKLIN ROYER, M.D., *National Society for the Prevention of Blindness*

THERE are three cardinal principles of first aid after eye injuries. The first of these is cleanliness; next, prompt rest for the eye; and, third, medical care directed by a competent physician, preferably an oculist. These principles apply even if the injury is slight, and they are imperative with serious eye injuries.

In removing dirt, it is a common custom to lift the upper lid and to push the lower lid with its lashes over the eyeball well up under the upper lid and then to draw down the upper lid. This procedure often enables the lashes of the lower lid to drag out of the eye a bit of dirt or rough material that may be causing great annoyance. This method, however, has all the possibilities of introducing an equally annoying amount of dirt and, what is worse, of sometimes introducing directly from the soiled lashes germs that may find an ideal place to grow in the freshly scratched tissues from which the dirt was removed.

Cleanliness, then, is the first thing to think of. Refrain from pushing the lashes under the lids until the lashes have been washed and be sure that the fingers which are going to handle the lashes and lids are also thoroughly washed. Be sure that the medicine dropper or eye-cup that may be used has been thoroughly cleansed.

A rough bit of dirt blown into the eye may be comparatively harmless if removed quickly and carefully, but, with rough manipulation through rubbing of the lids, the dirt may actually be driven into the tissues of the eye or may cause numerous scratches on the lining of the lids or of the conjunctiva covering the eye-ball. Broken surfaces are thus exposed to all sorts of infection and abundant opportunity is given for germs to be carried into the eye tissues with the original particle of dirt.

Make no attempt to remove particles of dirt from the eye until the hands and lashes have been thor-

oughly cleansed. Next, take a little twist of the cleanest of absorbent cotton, either twisted tight upon its own fibers with a little tufted tail piece, or twisted about a matchstick with a little tuft extending from the end. Separate the lids and note the location of the thing to be removed. With the prepared cotton it is usually safe very gently to drag the tail piece over the thing to be removed. The cotton drags it out. If no cotton is available and the dirt is on the inside of the upper lid, then, after cleansing the lashes, the under lid may be pushed up under the upper lid which should then be drawn down quickly affording an opportunity to drag out the dirt with the lashes of the lower lid.

The corner of a perfectly clean handkerchief fresh from the laundry may be used like this cotton twist in removing dirt.

Many eyes are infected and some lost because of the introduction of germs from dirty hands, dirty handkerchiefs, dirty lashes, or dirty materials used in attempting to do the kind thing for the individual suffering with dirt in the eye.

If much scratching occurred during removal of dirt or if dirt has been in the eye for a considerable length of time, great comfort may be had by gently placing a piece of soft linen that has been boiled and wet with cold water, over the eye and then very lightly bandaging the eye. This places the eye at rest, makes easier lifting lids from eyeball by the tears and favors start of the healing process. This is a good procedure to follow until such time as medical advice may be secured.

In graver injuries, where flying particles may have been driven into the eye tissues and injured the outer covering of the eyeball, it is wiser immediately to cleanse the outer surface of the eye, lashes and lids, place a wet dressing over the eye with a light bandage and secure forthwith medical opinion as to the best method of procedure.



The dirty habits, such as removal of things from the eye by utilizing a matchstick that has been carried in the smoker's pocket for a long while, have been largely discarded. In modern factories and mills nowadays instruction is given to employees in first aid, and proper medical treatment is available.

By closing the eyelids until a good flow of tears accumulates under them, and then blowing the nostrils hard on the side toward the eye in which the dirt is located, one may often wash the irritating bit of dirt down the nose.

It sometimes happens that an acid burn of the eye is sustained. It is safe immediately to wash the acid-burned area with an alkaline solution made by adding half a teaspoonful of ordinary baking soda (bicarbonate of soda) to half a glass of water, or, in the absence of water, one may put a little of the dry powder into the eye. Introduction of the powder may not be quite comfortable but it will retard the deep burn and in most instances will be soothing.

Printed or typewritten instructions give suggestions as to what may be done until a doctor can be secured. All such first aid stations, however, stick to the cardinal principles of cleanliness, doing no hurt and placing the eye at rest.

GIRLS' SECTION

Elex Girls Busy During the Past Month

Delegates to Conference

HILDA WALDA and Irene Meyers attended the regional conference of the Y.W.C.A. at Chicago, April 10th, 11th, and 12th, as representatives of the Elex club. Every department of the Y.W.C.A. was represented and the problems of each were discussed at the conference. This was the first year that the industrial girls themselves were present, as the attendance has previously been confined mostly to "Y" secretaries. Each one of the industrial clubs of the city had delegates at the conference.

G-E Club Show

Instead of having the theater party planned for April, the Elex club decided to give its members a rebate of 25 cents on their tickets to the G-E Club musical comedy, "O, Ain't Love Grand," given at the Shrine, April 10th-11th. This production was greatly enjoyed by all who attended and those who were not there missed a good show.

Y.W.C.A. Circus

The industrial girls were very busy during the month of April preparing for the Federation Circus given at the Y.W.C.A., April 26th-27th. This was put on by the Industrial Dept. in order to help pay the Federation's pledge to the Y.W.C.A. building fund, subscribed several years ago. Members of the Elex club were on all of the committees and also took part in the show itself. As one of the features, the "Is It Possible?" chorus from the G-E club show, repeated its dance, with Mr. Freeman again as soloist. The girls made quite a hit, dressed in bathing suits.

May Day Wiener Bake

The first of May proved a rather uncertain day for a picnic, but it did not rain, and 67 girls braved the chilly atmosphere to get their first real taste of spring at Foster Park. Some rode out in cars, and

G-E trucks conveyed the rest to the park. Some looked for flowers, while others whetted their appetites with games. Still others were content just to look on and wait for the arrival of the wieners, hot from the restaurant. When these came, there was a lively scramble for the table. Each girl's portion consisted of three hot dog sandwiches, a heap of potato salad, pickles, coffee, an apple, and a piece of chocolate cake, which was plenty, and almost too much for comfort. Most of the crowd kept close to the fireplace, as the air was cold, but another way of keeping warm was to join in the games. Some very good candidates for the team were discovered by the ball games. A number of the girls started homeward soon after supper, while a few liked it so well that they stayed till eight o'clock, when—thanks to daylight saving time—it was not yet dark. Everyone enjoyed it.

Mother-Daughter Banquet

This was held on May 8th. A full report will be given in the next issue of the WORKS NEWS, as all the details were not known at the time this was written up.

Women's Indiana State Bowling Association

We wish to extend our heartiest thanks for the wonderful co-operation of the General Electric Company, and G-E club during the Women's Indiana State Bowling tournament recently held on the G-E club alleys, and to every girl taking part in the tournament, especially the personnel girls. Through their untiring efforts it was made the largest state tournament ever held in Indiana.

MRS. ERMA LACKEY,
Secretary-Treasurer.

Important—Last Meeting of the Year

The last of the Wednesday night meetings will be held the latter part of May—watch the bulletin boards for the date. Every Elex member is urged to be present to help elect the delegates to the Camp Gray Industrial Conference. This will be a good peppy meeting with supper at 5:30 in the cafeteria and a good program. As it is to be held at the G-E, we will expect to see every member there. No more classes will be held until next fall, but there will still be monthly get-togethers—mostly outdoor affairs.

Camp Yarnelle—June 8-9

Camp Yarnelle is the Y.W.C.A. summer camp located on Lake Winona, three miles from Warsaw. Elex girls always enjoy their week-ends at Camp Yarnelle for the beautiful setting of camp is a never-failing pleasure. Located under tall arching trees, the dormitory on the hill and the club house by the lake, its very quietness and seclusion bring peace to the spirit and a soothing balm to tired nerves. If you want to be active you can play tennis on the cement court or baseball on the athletic field, row on the lake or swim and dive. There is a piano and books and magazines, a swing, and lovely places for a hike. Whatever you do, you will get a good supply of the fresh air that you need and an abundance of good food to help build you up. You will be surprised at how much better you will feel when you get home after a week-end at camp.

We want at least 50 girls to go with us on June 8th and 9th. Wear your old clothes or knickers and low-heeled shoes. Bring your tennis racquet, camera, bathing suit, etc. Bed linen will cost 25 cents unless you bring your own sheet and pillow case. Eats will cost about \$1.25, and transportation by auto will be furnished at no cost to you, except perhaps your share of the gasoline.

Two G-E Girls Wins Honors

TWO young women of the Broadway Plant recently received favorable notice in the columns of our city papers for particularly clever work that they have done, in sports and drama, respectively. We refer to Anita Rump and Virginia Bowman.

Miss Rump demonstrated her ability as a bowler in the Women's State bowling tournament held here on the G-E club alleys in April. In her nine games she rolled 1822, averaging 202 pins per game, a world's record, and in the singles she rolled 538 pins in three games, her highest score being 289.

Anita belongs to a bowling family. Her mother, Mrs. Mary Rump, bowls regularly in the City league and carries an average of 140. Three brothers and two sisters, also, are ardent followers of this sport. Following her mother's suggestion Miss Rump began bowling six years ago with the City league. After this she bowled with the Transfer lunch girls and the Berghoff XX teams. This year she has been a member of the women's team of the G-E club. During each of the past six years Miss Rump has participated in the Indiana State bowling tournaments for women and in four of them has been on the winning team. In 1926 she and her mother won the doubles for the city championship, and the same year she won the singles in the Central States bowling tournament with a score of 580. In 1928 Miss Rump won the National singles at Detroit. Her score for the event was 622. This year she won the all-events in the city tournament, and she and her sister, Mrs. Celeste Etzler, won the doubles in the State Tournament. At Buffalo in the recent Women's International bowling tournament she took second place in the all-events with a score of 1651, just 5 pins under the winning score.

Miss Rump became an employee of our Company in February. For three months she worked in the Meter Dept., Bldg. 26-4, where she assembled phonograph motors. Just recently, however, she was transferred to the Service



Virginia Bowman



Anita Rump

Bureau, Bldg. 18-2, where she is now doing Ediphone transcribing.

Virginia Bowman, the little auburn-haired girl from the Transformer Dept., Bldg. 26-1, who played the part of Princess Rose in the G-E club show, may well be commended for the effective way in which she handled the part. Her singing was remarkable and she seemed quite as much at ease on the stage as if acting were her profession. This leads one to wonder what her training and experience may have been, and we find that she began the study of piano when she was only 8 years of age. Two years ago, when she was only 16, she took up the study of voice, and since leaving high school one year ago, she has taken instruction in pipe organ. These early years of musical study under excellent instructors, therefore, is the foundation for the musical talent which Miss Bowman displays. As to stage experience, Miss Bowman has appeared in five amateur productions during the past year. Dramatics have always greatly interested her, her preference being for singing parts. At South Side high school, which she attended three years, she was a member of the girls' glee club and played the piano in the high school orchestra. For the past five years she has been a member of the Grace Reformed church choir.

Miss Bowman became a G-E employee in September, 1928. For a time she worked in the Meter Dept., Bldg. 19-4, but later was transferred to the Transformer Dept., Bldg. 26-1, where she is the operator of a multiple coil winding machine. She is the daughter of Willard Bowman, Apparatus Dept. Bldg. 19-3.

Girls' Tennis Classes

NOW that the tennis weather has arrived, all those who aspire to follow in the footsteps of Helen Wills are either learning to play the great game of tennis or practicing.

If you want to learn to play tennis, send your name and location immediately to Esther Moll, Industrial Service Dept., telephone 563, then watch the weekly bulletins for announcements.

Do not put off learning to play, but do it now! All the equipment you need is: a tennis racket, one or two balls and gymnasium shoes.

Girls' Baseball! Get Ready!

THE famous G-E Girls' baseball team is rapidly coming into shape. Since they have been city champions for the last four years, the slogan of all other girls' teams in Fort Wayne is, "Let's produce a team that will beat the G-E Girls."

All girls who want to play baseball should look on the weekly bulletin and find out on what days of the week the team practices, and then meet at the Recreational building at 5:15 p.m. on those days, ready to be taken to Swinney Park on the famous G-E triple balloon tire trucks. If the weather is bad, meet at the gym.

If you wish any additional information, get in touch with Esther Moll, Industrial Service Dept., telephone 563. If you have not already turned in your name, do it today, and be sure to state your building and floor.

Weddings

Glenn-Jensen

The recent announcement of the marriage last September of Matilda Jensen and William Glenn came as a big surprise to their associates in the Wire and Insulation Dept., where they are both employed.

Binkley-Gordon

The marriage of Mabel Gordon, inspector, Small Motor Dept., Bldg. 4-3, and Merle Binkley, inspector,

Meter Dept., Bldg. 19-4, took place on February 23rd at the Plymouth Congregational church.

Schweizer-May

In a pretty ceremony at the home of Mr. and Mrs. J. H. Henderson, 1827 Lafayette St., April 20th, Catherine May, Meter Dept., Bldg. 19-5, became the bride of August Schweizer. Rev. A. J. Folsom performed the ceremony. The bride made a lovely appearance in a light blue georgette frock, velvet trimmed, with slippers to match. Hildegard Miller was bridesmaid and was gowned in navy blue georgette with slippers to match. Delf Muic, served the bridegroom as best man. Immediately following the ceremony a wedding dinner was served. For the present Mr. and Mrs. Schweizer are residing at 1827 Lafayette St.

Geiger-Cotton

The marriage of Mabel Cotton and Emanuel Geiger took place on April 17th at Churubusco. Mrs. Geiger is in the Small Motor Dept., Bldg. 4-4, and Mr. Geiger is with Dudlo.

Runyan-Caley

On April 20th Ruth Caley, Small Motor Dept., Bldg. 4-4, and Lloyd Runyan, Bldg. 17-3, were married at the home of the bride's parents.

Moore-Grossman

Adeline Grossman and Gerald Moore were united in marriage on April 27th. The ceremony took place at Emmaus Lutheran Church, Rev. Fred Wambsganss officiating. Gladys Moore, sister of the groom, and Robert Loveland were the attendants. After a short wedding trip the young couple will be at home to their many friends at 1507 1/2 Spy Run Ave. Mr. Moore is employed in the Transformer Dept., Bldg. 26-2.

Orff-Schick

The marriage of Mrs. Veda M. Schick and Robert O. Orff was solemnized by Rev. Arthur J. Folsom at the Plymouth Congregational Church on April 27th. The bride's mother, Mrs. David M. Hensley, and Mrs. R. H. Chadwick, sister to the groom, were the only witnesses to the ceremony. Mrs. Orff will continue her work as nurse in the Dispensary, Bldg. 2. Mr. Orff is general storekeeper, Order and Stores Dept., Bldg. 6.

Suggestion Awards

(Continued from page VII)

H. W. Henline, Bldg. 19-3, supplying a guard for slotter in Bldg. 19-3.

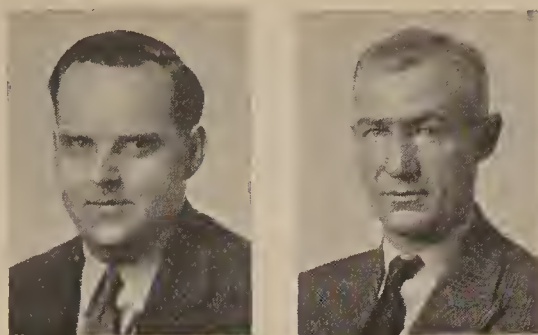
Harold A. Hart, Bldg. 4-5, change to truing stand in Bldg. 4-5.

Claude Ellingwood, Bldg. 26-2, cutting loom in lead cutting section, Bldg. 26-3.

Lester Carlen, Bldg. 12-2, supplying guards for grinders in Bldg. 12-2.

Alta L. Bouse, Bldg. 8-2, supplying metal ends for spools used in Bldg. 8-2.

C. A. Zuercher, Bldg. 4-5, change to machining of rabbits in Bldg. 4-5.



H. W. Struver

Frank Glenn

Chauncey C. Buell, Bldg. 19-4, insulating clips at test in Bldg. 19-4.

Fred N. Alles, Bldg. 4-4, supplying special reamers for use in Bldg. 4-4.

Louis D. Hopper, Bldg. 20-1, change to switches at elevators in Bldg. 19.

Josie M. Wellman, Bldg. 4-3, placing certain commutator sleeves on stock allowance in the Fractional Horsepower Motor Dept.

Henry Mizcr, Bldg. 26-5, supplying receptacle at press in Bldg. 26-5.

Wilbert B. Putt, Bldg. 4-1, double wedging stators in Bldg. 4-1.

Chas. A. Yager, Bldg. 17-1, supplying measuring device in Bldg. 17-1.

O. T. Chinnes, Bldg. 19-1, supplying voltmeter jack sockets on switchboards in Bldg. 19-1.

M. Tobias, Bldg. 4-4, change to turn counters used in Bldg. 4-4.

Clayton Barrick, Bldg. 19-1, change to apparatus bearing bracket flanges to eliminate chipping operation.

Geraldine Didion, Bldg. 19-4, supplying guard at motor in Bldg. 19-4.

E. Glenwith, Bldg. 19-5, supplying guard for pulley in Bldg. 19-5.

Walter Kammeyer, Bldg. 17-1, supplying cover for commutator of motor in Bldg. 17-1.

H. Tieman, Bldg. 20-1, use of scrap tool steel by General Service Division.

Wm. Hoelle, Bldg. 19-1, installing 110-volt plugs on test boards in Bldg. 19-1.

Ralph Winters, Bldg. 26-2, change to Dexter paper used in radio transformers.

C. Pfiel, Bldg. 4-4, change to certain Frac. Fp. Motor castings to save rejections.

M. J. Miles, Bldg. 17-2, cover for indicator used in Bldg. 17-2.

Chester Langley, Bldg. 19-4, elimination of shellac from TS motor leads.

E. E. Bramblett, Bldg. 8-1, change to platforms used in Bldg. 8-1.

Cady Olmstead, Bldg. 6-1, change to method of handling conduit boxes on certain apparatus.

Edw. M. Lallak, Bldg. 27, supplying box type platforms for use in Wire and Insulation Dept.

Leroy Brown, Bldg. 19-5, draining oil from parts at machines in Bldg. 19-5.

S. Alsbaugh, Bldg. 19-4, tapering IA-201 relay shafts.

Fred Reese, Bldg. 19-4, change to method of spraying clips in Bldg. 19-4.

Carl B. Egts, Bldg. 26-2, using combination insulation pads in certain GEW transformers.

Harry Zimmerman, Bldg. 19-4, coring holes in IA-201 relay bases.

Andrew W. Lee, Bldg. 3-3, supplying handles on door in Bldg. 2-3.

Beulah B. Class, Bldg. 4-5, change to bench in Bldg. 4-5.

Harley W. Ward, Bldg. 4-5, moving arbor press in Bldg. 4-5.

Marvin E. Fields, Bldg. 17-3, change to fan at spray booth in Bldg. 17-3.

Robert W. Kessens, Bldg. 19-2, change to Stencil No. 241 used in Apparatus Dept.

Lawrence L. Bergevin, Bldg. 4-1, supplying receptacle box in test in Bldg. 4-2.

John M. Singleton, Bldg. 4-4, change to door stop in Bldg. 4-4.

Ervin Huth, Bldg. 20-1, dipping fuse ends for cleaning.

Darold H. Emrich, Bldg. 26-2, change to switches on coil winding machines in Bldg. 26-2.

John Bitner, Bldg. 26-2, supplying guards at pipes in Bldg. 26-1 platform.

Andrew W. Lee, Bldg. 3-3, marking aisles in Bldg. 2-2 and 2-3.

Bernard Parent, Bldg. 4-4, using washers when grinding fields in Bldg. 4-4.

John Runge, Bldg. 22, supplying an air hose at machine in Bldg. 22.

Walter L. Smith, Bldg. 19-3, change to certain apparatus spiders to facilitate machining.

Louis D. Hopper, Bldg. 20-1, supplying handle for a door in Bldg. 20.

Louis D. Hopper, Bldg. 20-1, re-locating horn in Bldg. 22.

Louis D. Hopper, Bldg. 20-1, supplying guards for switch plates in Bldg. 19-1.

J. H. Plescher, Bldg. 26-B, change to location of temperature control at oven in Bldg. 26-B.

Harold Axe, Bldg. 20-1, change to method of repairing high-potential stickers.

A. Hettler, Bldg. 26-B, supplying guard for emery wheel in Bldg. 26-3.

Laurel Fenwick, Bldg. 12-2, supplying guard for machine in Apprentice Dept.

Hubert Wm. Keller, Bldg. 4-B, supplying guard for grinder in Bldg. 26-2.

Henry J. Graffe, Bldg. 4-5, change to lead lengths on certain Vitaphone motors.

Ed. H. Dobler, Bldg. 26-2, change to clips and leads in Bldg. 26-2 Test.

Alva M. Biggs, Bldg. 26-4, supplying blower for grinder in Bldg. 26-4.

Clarence Gardt, Bldg. 12-1, supplying shutter in blower system in Bldg. 12-1.

Clarence Gardt, Bldg. 12-1, supplying horn in Bldg. 12-1.

Otto W. Nahrwald, Bldg. 17-3, change to construction of guard on grinder in Bldg. 17-3 to facilitate dressing of wheel.

Garland Roby, Bldg. 4-4, change to tapping fixture used in Bldg. 4-4.

JUNIORS' PAGE

Dear G-E Juniors:

The merry month of May is here and the smiling faces of the wild flowers are peeping out amidst the green grass of the woods, fields and parks and along the little brooks that are running away so fast. I imagine most of you have been out hunting for wild flowers and have gathered lovely bouquets of them for your mothers and teachers; also, no doubt, you have some beautiful spring flowers blooming in your yards and gardens—so for May we have a flower puzzle. The pictures and letters above each number represent the name of some flower that blossoms in May; for instance, No. 1 is Bluebell. Now as there are only six of these and I have told you the name of one of them, I am sure you will find it easy to work out the other five. This is the last month for you to try for this year's prize, for with the June issue of our WORKS NEWS a new puzzle contest begins. We will run the pictures of the winners of this year's big prizes on the Juniors' Page in the next issue. You know that, besides the little prizes that we award each month, we give a big prize to the boy and the girl who send us correct answers to the most of our puzzles during a year. If you have not passed your 12th birthday and even if you do win the big prize this year, you can start in next month and work for the prize we will give June 1, 1930.

The "Signs of Spring" in the April puzzle are: Bird singing in the tree, Tree budding, Tulips blooming, Boy flying kite, Boys playing marbles, Boy rolling hoop, Girl jumping rope, Girl roller skating, Man raking in the garden, Hen with little chicks, Violets in bloom, and Sunshine and showers. Almost all of you who sent solutions to this puzzle found at least eight "Signs of Spring" and some of you found all twelve of them. Prizes were sent to Evelyn Mueller, Ralph Crall, Reba Ray, Arno Schelper and Dorothy Gebhart

at Fort Wayne and Catherine Murphy and Elizabeth Fuhrman at Decatur. Besides these I received letters from: Helen Hickman, Dorothy Wyss, Eugene Wyss, Albert Devaux, Elmar Devaux, Bernice Moore, Ruth Swank, Helen Liddy and Robert Swank from Fort Wayne and Dorothy Miller, Kenneth Nyffeler and Catharine Jackson from Decatur. Also I received a letter and solution to the Easter puzzle in the March WORKS NEWS from Doris Line, but it came in too late for us to publish her name in the April issue of the WORKS NEWS.

I enjoyed reading all your nice, jolly letters. Ralph Crall sent me two poems and Dorothy Gebhart also sent me one. Thank you both very much for them. I wonder how many of you G-E Juniors saw Dorothy Gebhart's picture in the *News-Sentinel* for April 30th. In the Bird-Life quilt contest which the *News-Sentinel* conducted, Dorothy won first prize for the younger group of girls living outside of Fort Wayne. Her prize was \$5.00. Isn't that fine? Perhaps some of you saw the prize-winning quilts when they were on display in windows of the Rurode's store. I saw them and thought they were all very pretty and the work certainly very neatly done. I am so glad that one of our Juniors won a prize. Surely Dorothy is a very industrious little girl.

I shall be looking for a lot of letters this month. Send your answers early for we are anxious to know who will win this year's prizes.

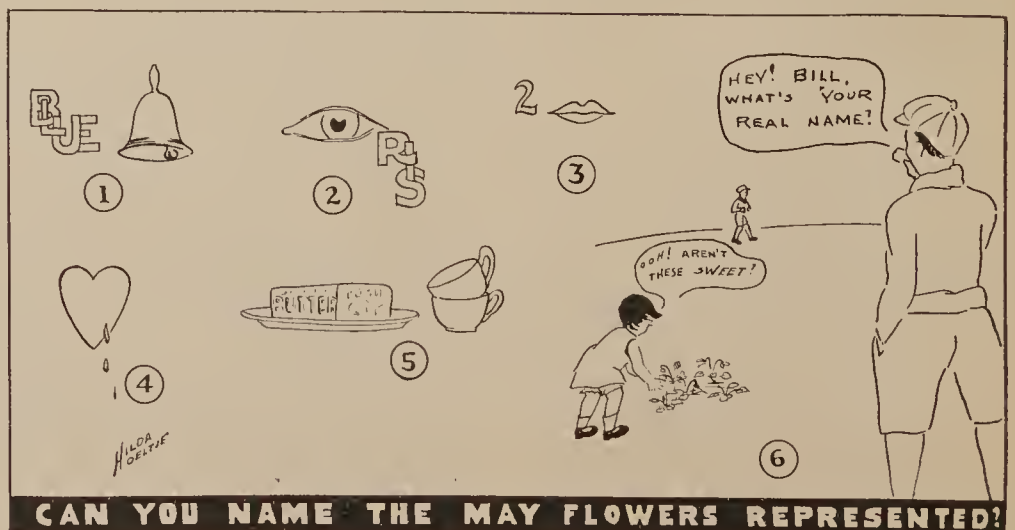
Yours sincerely,

Jill

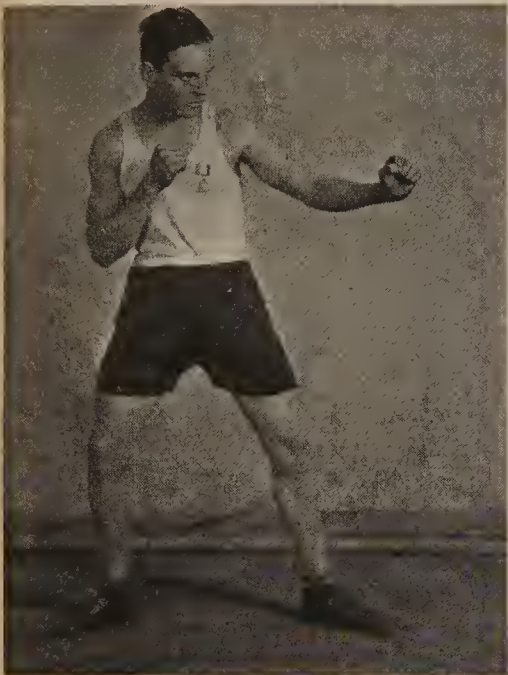
Calling the Violet

Dear little violet,
Don't be afraid!
Lift your blue eyes
From the rock's mossy shade.
All the birds call for you
Out of the sky;
May is here waiting,
And here, too, am I.
Why do you shiver so,
Violet sweet?
Soft is the meadow grass
Under your feet.
Wrapped in your hood of green,
Violet, why
Peep from your earth door
So silent and shy?
Trickle the little brooks
Close to your bed;
Softest of fleecy clouds
Float overhead.
"Ready and waiting!"
The slender reeds sigh;
"Ready and waiting!"
We sing—May and I.
Come, pretty violet,
Winter's away;
Come, for without you
May isn't May.
Down through the sunshine
Wings flutter and fly;
Quick, little violet,
Open your eye.
Hear the rain whisper,
"Dear Violet, come!"
How can you stay
In your underground home?
Up in the pine-boughs,
For you the winds sigh;
Homesick to see you
Are we—May and I.
Ha! though you care not
For call or for shout,
Yon troops of sunbeams
Are winning you out.
Now all is beautiful
Under the sky,
May's here and violets!
Winter, good-bye!

—LUCY LARCOM.



Athletics



Ed. Dunlap, Bldg. 17-1, City Champ, 145 lbs.

Inter-Department Baseball

EIGHT teams have entered the Inter-department baseball league this year with games to be played each Tuesday and Thursday evening on the Taylor Street grounds. The flag raising was scheduled for May 7th and the league is now well under way. The teams entered with their managers follows:

- Apparatus.....C. Holmes
- Apprentice.....Geo. Auer
- General Service...E. Huth
- G-E Squares.....R. J. Clark
- Motor Veterans...F. A. White
- Small Motor.....F. H. Campbell
- Transformer.....W. J. Wolf
- Winter Street....F. F. Allinger

Wednesday Night Volleyball

A four-team volleyball league has been organized by members of the regular inter-department volleyball league who wish to play after the scheduled season was over or until hot weather sets in. The games are played each Wednesday evening in the G-E club gym. The standing of the teams after the first two nights of play follows:

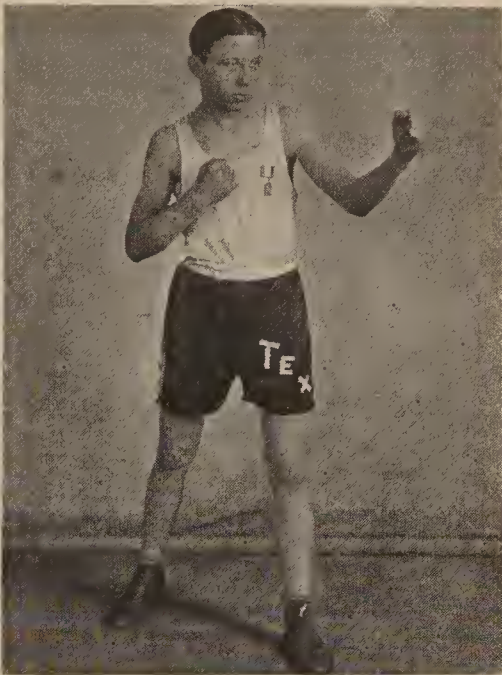
	Won	Lost	P.C.
Motors.....	6	0	1000
Refrigerators.....	6	0	1000
Office.....	0	6	000
Leaguers.....	0	6	000

G-E Boxers Make Good Showing

Several boxers of this Works, pupils of "Nick" Little, made excellent showings in the city tournament recently held at the Catholic Community center. Two of these pupils came through as

champions in their class. Tex Hartman won the 110-pound class and Edgar Dunlap fought a draw in the finals of the 145-pound class. Floyd Bowman, a heavyweight contender, was awarded second place in that event and C. Fraser lost on a decision in the finals of the 160-pound class.

The card proved popular with the fans and most of the boys were clever boxers. Several of the boxers could hit, as evidenced by the seven knockouts in the seventeen bouts. "Nick" Little is to be highly praised for the showing his boys made in the meet with only this season's experience back of them. The sport is regaining many old friends of the ring and making many new ones. While "Nick" had a good sized class this winter it is expected that a lot more boys will be in "Nick's" class next year.



Tex Hartman, Bldg. 4-4, City Champ, 110 lbs.

Women's State Bowling Tournament

REGULAR TEAM STANDINGS AND PRIZES			
Teams	City	Total	Prize
1. Silver Flash	Indianapolis	2500	\$40.00 Medals
2. G-E Club Girls	Fort Wayne	2409	40.00
3. A. G. Mueller Nash	Indianapolis	2382	35.00
4. Horton Mfg. Co.	Fort Wayne	2349	30.00
5. Baker Bros.	Indianapolis	2313	25.00
6. Silver Specialty Co.	Terre Haute	2310	23.00
7. Polly Ann Shop	Terre Haute	2297	21.00
8. Old Gold Cigarette	Indianapolis	2277	20.00
9. Northern Coal Co.	Indianapolis	2277	81.00
10. Whippet Five	Terre Haute	2272	16.00
High team score, 1 game—Silver Flash, 904—\$5.00.			
BOOSTER TEAM STANDING			
1. G-E Club No. 4	Fort Wayne	2073	\$20.00
2. G-E Meter Dept.	Fort Wayne	2042	18.00
3. Ft. Wayne Transfer Co.	Fort Wayne	1900	16.00
4. Wayne Produce Co.	Fort Wayne	1885	15.00
5. F. W. Meinzen Drugs	Fort Wayne	1865	13.00
6. Stone, Stafford & Stone Co.	Indianapolis	1758	12.00
7. Alter Bros. Tire Shop	Fort Wayne	1683	11.00
8. Lady Wayne Chocolates	Fort Wayne	1678	10.00
9. Charmer Cigars	Fort Wayne	1653	9.00
10. City Light & Power	Fort Wayne	1576	8.00
DOUBLES—FIRST TEN			
C. Etzler—A. Rump	Fort Wayne	1083	\$20.00
E. Lackey—M. Rubey	Fort Wayne	1030	20.00
A. Stateler—E. Reinhard	Indianapolis	1020	18.00
F. Hellman—E. Stateler	Terre Haute	991	17.00
I. Rickabaugh—L. Alexander	Indianapolis	989	16.00
K. Rutenberg—F. Giltner	Indianapolis	984	15.00
N. Misner—E. Schook	Terre Haute	976	14.00
A. McDaniel—E. Weisman	Indianapolis	973	13.00
G. Trier—H. Hockenmeyer	Fort Wayne	971	12.00
G. Scott—E. Beard	Fort Wayne	968	11.00
HIGH TWO-WOMEN GAMES			
C. Etzler—A. Rump	Fort Wayne	400	\$ 3.00
F. Hellman—E. Stateler	Terre Haute	385	2.00
SINGLES—FIRST TEN			
1. B. Lyons	Fort Wayne	564	\$15.00
2. G. Kessler	Fort Wayne	559	15.00
3. Mrs. E. Fertig	Noblesville	538	14.00
4. Anita Rump	Fort Wayne	538	13.00
5. L. Hunter	Terre Haute	531	12.00
6. R. Preston	Fort Wayne	530	11.00
7. A. Stateler	Terre Haute	525	10.00
8. L. Fullmer	Indianapolis	520	9.50
9. F. Terhorst	Terre Haute	519	9.00
10. E. Lackey	Fort Wayne	518	8.50
HIGH SINGLE GAME IN SINGLES			
1. B. Lyons	Fort Wayne	244	\$ 3.00
2. G. Kessler	Fort Wayne	221	2.00
ALL EVENTS			
A. Rump	Fort Wayne	1822	\$ 8.00
E. Meyers	Indianapolis	1567	6.00
E. Lackey	Fort Wayne	1533	4.00
A. Stateler	Terre Haute	1528	3.00
E. Weisman	Indianapolis	1527	3.00

Women's State Bowling Tournament

The G-E club was host this year to the women bowlers of the state in their annual classic. The tournament is reported to have been the largest in the history of the association. Several fine scores were made by the ladies. The excellent work of Anita Rump, the star of the tournament, is covered in another section of this paper. Mrs. Erma Lackey, who shared the lime-light with Miss Rump, turned in some excellent scores.

The G-E team finished in second place with 2409 pins. Miss Rump and her sister, Mrs. Etzler, placed first in the doubles and Mrs. Lackey and Mrs. Rubey finished in second place with 1803 and 1030 respectively. Miss Rump's 538 gave her fourth place in the singles.

The standings are given on the previous page.

G-E Club Women Bowlers Place High at Buffalo

Fort Wayne women bowlers did pretty well in the national tournament in Buffalo. Bessie Lyons and Lou Klingenberger rolled into second place in the doubles with 1,061. Erma Lackey and Millie Rubey placed third with 1,052. Bessie Lyons took second in the singles with 544, getting 214 in her first game. Anita Rump rolled 535 and placed second in the all-events with 1,651, five pins short of first place. The G-E team failed to land among the leaders when it collected 37 splits in the three games. Scores:

G-E GIRLS			
Lackey.....	160	163	144
Klingenberger.....	134	134	115
Rubey.....	166	130	124
Etzler.....	131	145	141
Rump.....	169	176	185
Totals.....	760	748	710—2,218

DOUBLES			
Lackey.....	171	168	203
Rubey.....	182	150	178—1,052
Etzler.....	88	150	136
Rump.....	225	149	210—958
Klingenberger.....	161	192	170
Lyons.....	126	184	188—1,061

SINGLES			
Lyons.....	214	149	181—544
Rump.....	137	184	214—535
Klingenberger.....	168	160	158—486
Lackey.....	164	159	156—469
Rubey.....	120	123	156—399
Etzler.....	163	131	123—418

Bowling

Meter Department League

FINAL STANDING				
Team	Won	Lost	P.C.	Ave.
1. Covers.....	24	9	727	813
2. Magnets.....	22	11	667	818
3. Pivots.....	19	14	576	798
4. Elements.....	17	16	515	810
5. Gears.....	16	17	485	804
6. Bases.....	16	17	485	798
7. Leads.....	16	17	495	773
8. Jewels.....	15	18	455	792
9. Seals.....	15	18	455	792
10. Registers.....	13	20	394	793
11. Disks.....	13	20	394	770
12. Terminals.....	12	21	364	791



SMALL MOTOR BASKETBALL TEAM, INTER-DEPARTMENT CHAMPION

Left to right—back row: Oman, Wm. Weber, manager, E. J. Graham, Fuestal; Front row: Roe, Fisher, Frantz, B. Burnau, V. Burnau, F. Burnau. Not present: Schoenherr, Spath, Souers.

INDIVIDUAL AVERAGES			
1. Rump, C....	90	182	6. Weick.... 93 176
2. Lawrence..	93	180	7. Bushing... 90 175
3. Erne.....	96	177	8. Rump, V.... 99 175
4. Voorhees... 90 176	9. Jacobs.....	90	173
5. Hueber....	93	176	10. Timme.... 93 173

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
1. Nieman.....	254	1. C. Rump.....	666
2. Hueber.....	248	2. Erne.....	635
3. C. Rump.....	247	3. Miller.....	623

HIGH TEAM SCORE			
One Game		Three Games	
1. Covers.....	997	1. Gears.....	2678
2. Gears.....	994	2. Covers.....	2641
3. Elements.....	987	3. Seals.....	2606

Inter-department League

Team	Won	Lost	P.C.	Ave.
1. Meter Dept.....	22	14	610	920
2. Wire and Insulation...	23	16	590	900
3. Transformer.....	20	16	556	906
4. General Stores.....	19	20	486	912
5. Apparatus.....	15	21	416	894
6. Small Motor.....	13	23	360	881

INDIVIDUAL AVERAGES			
1. Zurcher....	81	193	6. Kammer... 75 187
2. Harkenrider	69	191	7. Knoll..... 75 186
3. Bryan.....	72	191	8. Huber.... 81 185
4. Quinn.....	78	188	9. Kopp..... 81 185
5. Auer.....	75	187	10. Schlup.... 66 185

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
1. Bryan.....	267	1. Bryan.....	740
2. Quinn.....	257	2. Huber.....	684
3. Auer.....	256	3. Auer.....	665

HIGH TEAM SCORE			
One Game		Three Games	
1. Gen. Service...	1097	1. Meter.....	2987
2. Meter.....	1045	2. Gen. Store...	2925
3. Transformer...	1013	3. Wire & Insul...	2863

Office League

FINAL STANDING				
Team	Won	Lost	P.C.	Ave.
1. Indus. Service.....	17	10	630	820
2. D-c. Apparatus.....	17	10	630	810
3. D-c. Drafting.....	15	12	556	769
4. Apparatus Cost.....	14	13	519	797
5. Material List.....	14	13	519	739

INDIVIDUAL AVERAGES			
6. Warehouse.....	13	14	481 799
7. Plant Construction...	13	14	481 797
8. Small Motor.....	13	14	481 736
9. A-c. Drafting.....	11	16	407 777
10. Distribution.....	8	19	296 638

INDIVIDUAL AVERAGES			
1. Bryan.....	24	200	6. Kellogg.... 27 172
2. Einsiedel...	27	185	7. Garton.... 21 171
3. Dannecker..	8	185	8. Enders.... 27 170
4. Lindemuth..	9	173	9. Wallace.... 27 169
5. Reese.....	27	173	10. Bower..... 27 168

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
1. Bryan.....	246	1. Bryan.....	688
2. Lindemuth...	235	2. Lindemuth...	604
3. Kellogg.....	234	3. Waldesmidt, E.	591

HIGH TEAM SCORE			
One Game		Three Games	
1. D-c. App t.s. .	948	1. A-c. Drafting	2615
2. A-c. Drafting .	907	2. Indus. Service.	2566
3. Indus. Service .	903	3. D-c. Apparatus	2560

Foremen's Association League

FINAL STANDING				
Team	Won	Lost	P.C.	Ave.
1. General Service.....	14	7	667	791
2. Refrigerator.....	14	7	667	781
3. Vitaphone.....	14	7	667	773
4. Tool Supply.....	9	12	429	743
5. Wire and Insulation...	9	12	429	739
6. Apparatus.....	9	12	429	717
7. Small Mootr.....	8	13	381	747
8. Transformer.....	7	14	333	740

INDIVIDUAL AVERAGES			
1. Buuck....	84	184	6. Bennigan.. 21 165
2. Korte....	36	179	7. Holloway.. 84 160
3. Foellinger..	81	168	8. Huffman... 72 160
4. Grimme... 73 167	9. Siebold...	60	160
5. Szink.....	84	166	10. Bunting... 84 159

HIGH INDIVIDUAL SCORE			
One Game		Three Games	
1. Buuck.....	279	1. Buuck.....	685
2. Kruge.....	243	2. Foellinger....	613
3. Bunting.....	236	3. Grimme.....	591

HIGH TEAM SCORE			
One Game		Three Games	
1. Gen. Service...	932	1. Vitaphone....	2608
2. Vitaphone....	885	2. Gen. Service...	2515
3. Refrigeration..	872	3. Refrigeration..	2463



SMALL MOTOR VOLLEYBALL TEAM, INTER-DEPARTMENT CHAMPIONS

Left to right—back row: L. W. Kuttner, E. J. Graham; Front row: J. E. Mills, Capt. H. Spath, F. W. Wilcox, P. G. Kern, S. S. Brown, J. V. Johnson.

Transformer League

FINAL STANDING

Team	Won	Lost	P.C.	Ave.
1. Toys.....	30	15	667	793
2. Bells.....	25	20	556	781
3. Autos.....	23	22	511	774
4. Radios.....	22	23	489	777
5. Currents.....	21	24	467	761
6. Nitelites.....	14	31	311	745

INDIVIDUAL AVERAGES

1. Cox..... 90 182	6. Orff..... 72 168
2. Tagtmeyer. 90 179	7. Kronmiller. 83 166
3. Cook..... 87 175	8. Schlatter... 78 164
4. Garihan... 63 173	9. Fryback.... 90 163
5. Long..... 69 172	10. Boutwell.. 81 161

HIGH INDIVIDUAL SCORE

One Game	Three Games
1. Schlatter.... 245	1. Tagtmeyer.... 643
2. Fryback.... 237	2. Cox..... 618
3. Cox..... 237	3. Cook..... 611

HIGH TEAM SCORE

One Game	Three Games
1. Toys..... 945	1. Autos.....2554
2. Autos..... 894	2. Toys.....2503
3. Bells..... 891	3. Radios.....2472

Tool and Equipment League

Team	Won	Lost	P.C.	Ave.
1. Grinders.....	29	13	690	806
2. Jigs and Fixtures.....	26	16	619	801
3. Tool Supervisors.....	24	18	571	797
4. Special Tools.....	23	19	548	800
5. Special Machines.....	18	24	429	780
6. Dies.....	16	26	381	788
7. Machines.....	16	26	381	770
8. Punches.....	16	26	381	700

INDIVIDUAL AVERAGES

1. W. Franke. 78 180	6. Rehm..... 15 175
2. Gerdom... 75 179	7. J. Franke.. 66 174
3. Lankenau.. 81 178	8. Dicke..... 72 169
4. Knepple... 81 176	9. Brenner... 84 168
5. Daley..... 78 175	10. Mersman.. 81 166

HIGH INDIVIDUAL SCORE

One Game	Three Games
1. Beckman.... 263	1. Brenner..... 629
2. Brenner.... 262	2. Lankenau.... 618
3. W. Franke... 245	3. Gerdom..... 609

HIGH TEAM SCORE

One Game	Three Games
1. Grinders..... —	1. Grinders.....2798
2. Punches..... —	2. Tool Sup'v'rs..2601
3. Jigs & Fixtures —	3. Punches.....2592

Small Motor League

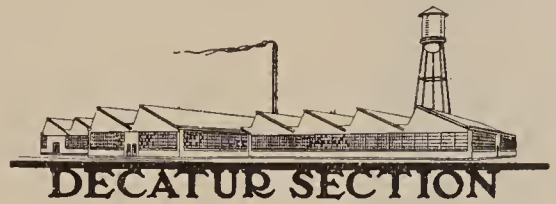
FINAL STANDING

Team	Won	Lost	Pct.
1. DR1.....	20	7	740
2. DSS.....	18	9	666
3. SDA.....	18	9	666
4. SD.....	17	10	628

Team	Won	Lost	Pct.
5. RKT.....	14	13	518
6. DR3.....	13	14	482
7. RSA.....	12	15	444
8. RSO.....	11	16	406
9. DR2.....	9	18	333

INDIVIDUAL AVERAGES

1. Quinn..... 60 188	6. Michelfelder 69 171
2. Tobias..... 81 175	7. Tobias..... 69 169
3. Renier..... 66 173	8. McKering.. 78 168



Band to Play at Indianapolis

ONCE more it has been the good fortune of the Decatur G-E band to be chosen as one of the bands to play for the automobile races at the Indianapolis Speedway on Decoration Day.

This event has one novel feature that the musicians always remember, the massed band parade. In this parade all the bands combine into one huge band under the direction of four drum majors. Usually in this formation there are 1500 to 1600 musicians, and the boys greatly enjoy this experience. Upon the return of the band from the races, summer concert work will start, with concerts each Thursday night until September 2nd. These concerts are to be held at 8:00 p.m. on Liberty Way, Decatur, and are for the benefit and entertainment of the whole community.

First Aid School

A FIRST Aid school has been opened at the Decatur plant

4. Nahrwold.. 78 172	9. Rose..... 84 169
5. Rapp..... 75 172	10. Straub.... 87 163

HIGH INDIVIDUAL SCORE

One Game	Three Games
1. Nieman..... 243	1. Quinn..... 243
2. Michelfedler... 237	2. Rapp..... 237
3. Daley..... 230	3. Nieman..... 230

HIGH TEAM SCORE

One Game	Three Games
1. DR3..... 814	1. RKT.....2116
2. SD..... 768	2. SDA.....2097
3. RSS..... 767	3. RSS.....2086

Girls' League

Team	Won	Lost	P.C.	Ave.
1. Tool.....	28	11	719	580
2. Fire.....	25	14	640	604
3. Order.....	25	14	640	544
4. Industrial Service.....	22	17	563	592
5. Refrigerator.....	21	18	538	565
6. Meter.....	17	22	435	564
7. Small Motor.....	16	23	410	498

INDIVIDUAL AVERAGES

1. Lackey.... 81 173	6. Bleke..... 81 149
2. Rump.... 36 172	7. Fox..... 81 147
3. Rubey.... 33 171	8. Weitfeldt.. 24 146
4. Kling b'g'r. 30 164	9. James..... 72 140
5. Preston.... 81 150	10. Snyder.... 81 135

HIGH INDIVIDUAL SCORE

One Game	Three Games
1. James..... 245	1. Lackey..... 601
2. Lackey..... 233	2. Fox..... 568
3. Fox..... 225	3. James..... 550

HIGH TEAM SCORE

One Game	Three Games
1. Fire..... 743	1. Fire.....2134
2. Small Motor.. 734	2. Order.....2090
3. Meter..... 726	3. Small Motor..2046

with splendid interest manifest by all those who are taking the work. Classes are conducted each Tuesday and Thursday evenings from five to six-thirty in the club rooms of the local plant. The instructors are Frances Howell, who has a class of 20 girls, and Russell Owens, who has a class of 26 men. These students are all volunteers from the personnel of the local shop.

Weddings

Fairchild-Kohne

Geraldine Kohne, Winding Dept., and Vernon Fairchild, were married Friday, April 12th, by Rev. Siemetz at the Catholic parsonage. Mr. and Mrs. Fairchild are now at home to their many friends at 430 N. 5th Street.

Omlor-Tanvas

Bernita Tanvas, Payroll Dept., and Hubert Omlor, Inspection Dept., were married April 23rd, at the St. Mary's Catholic church in Decatur with the Rev. J. A. Siemetz officiating. Following a short wedding trip the newly-weds are now at home at 123 N. 5th Street.

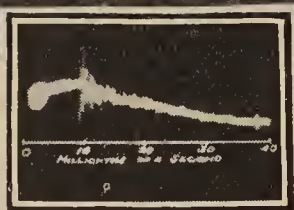
Hullinger-Sutilef

Minnie Sutilef, Black Armature Dept., and Irvin Hullinger, of near Decatur, were married April 27th at the neighboring city of Bluffton. The future residence of this young couple has not been announced.

Man's hand *upon the Lightning*



The cathode-ray oscillogram of the induced lightning surge.



Back of every product bearing the G-E monogram, from an electric locomotive to the tiny motor that runs a sewing machine, is the basic scientific research for which the General Electric laboratories are famous. Both in the home and in industry this monogram carries the same assurance of electrical correctness and dependability.

NOT yet is the lightning tamed. But the hand of science reaches forth. Already a way has been found to make the lightning write its own record of this destructive force measured in millions of horsepower, which is still the greatest enemy of high-voltage transmission lines.

One such record is reproduced on this page. It was taken on the lines of the Pennsylvania Power and Light System by a cathode-ray oscillograph—a high-speed camera developed in the General Electric laboratories. The surge that was recorded measured 2,500,000 volts; the record showed that the lightning lasted 40 millionths of a second.

Before science can control natural forces it must first develop data and measurements. Ultimately out of this comes control. Fundamental research of this kind seldom brings immediate financial return. Its ultimate value, both to the electrical industry and to the public, is beyond price.



The special field laboratory which was used for the epoch-making experiment.

JOIN US IN THE GENERAL ELECTRIC HOUR, BROADCAST EVERY SATURDAY AT 8 P.M., E.S.T. ON A NATION-WIDE N.B.C. CHAIN

GENERAL ELECTRIC

95-636B

This advertisement has appeared in general magazines during April and May



The



Works News

June 21, 1929

The Vacation

NOW that the new G-E Vacation Plan for Hourly Paid and Piece Workers has gone into effect, a very large proportion of G-E men and women are planning how they will spend their vacations. Swimming, boating, taking trips in the car — there are so many different ways of using the vacation profitably and enjoyably that one hardly knows which way to turn. The artist has shown us a few of the possibilities in his drawing for the front cover.

GENERAL ELECTRIC

NEWS

FORT WAYNE WORKS

Vol. 13

June 21, 1929

No. 6



Joseph Schlotterer



C. F. Hambrock



Bernard Parent



Burl A. Tillman



W. H. Irwin



Fred Mennewisch

Harry Zimmerman Breaks All Suggestion Records

THE honors under the Suggestion System at Fort Wayne Works go to Harry Zimmerman of the Relay Assembly Dept., Bldg. 19-5. With \$630 in awards secured on suggestions by Mr. Zimmerman during the period of April 22 to May 18 inclusive, his total on suggestion awards amounts to \$845. Not only has Mr. Zimmerman secured more money in awards than any other employee of Fort Wayne Works but he has the honor of securing the highest single award paid on a suggestion.

This record single award, \$500, was made to Mr. Zimmerman on his suggestion to use .035 by .090 rectangular cotton covered wire in place of .012 by .250 ribbon copper for the IA, IB and IJ relay coils, and to change the connection block assembly. The changes which he suggested eliminate eight jumpers and 26 fiber washers per coil and result in a more substantial construction.

On another suggestion that steel be used in place of brass for relay screws and studs, Mr. Zimmerman received \$30.

On a suggestion regarding elimination of a clamping collar used with IA-206 relay ammeters, Mr. Zimmerman received \$15 award.

On a fourth suggestion that cast iron be used in place of cast brass for IJ relay frames an award of \$85 was made to Mr. Zimmerman.

Arthur Treece, Bldg. 12-B, made an excellent record as regards sug-

gestion awards during the period covered by this report. He received one award of \$150 on a suggestion



Harry Zimmerman



Arthur Treece

regarding a change in the method of cutting varnished cambric in the Wire and Insulation Dept. and an additional award of \$120 on review of a former suggestion regarding rolling horn fiber tubes for transformer spool bodies, on which he received an initial award of \$100. Mr. Treece's total in suggestion awards is now \$420.

Burl A. Tillman, of Winter Street Plant, received \$50 award on his suggestion of a change to the method of handling refrigeration units in the "100 degrees" test at Winter Street.

W. H. Irwin, Bldg. 3-3, suggested a change to fractional hp. motor shaft drawings to eliminate grinding operation that brought him \$35 award.

C. F. Hambrock, Bldg. 19-5, was awarded \$30 on his suggestion regarding the use of Kant link washers in the Meter Dept

Bernard Parent, Bldg. 4-4, received \$30 award on his suggestion of supplying certain tools which make possible the elimination of a milling operation on certain fractional hp. motor fan blades.

Joseph Schlotterer, Bldg. 27, on his suggestion of supplying a slide at line welding machine in Bldg. 27 for loading jig, received \$25.

Fred Mennewisch, Bldg. 22, on his suggestion regarding a change to die used on Wright Dieing machines received additional award of \$25. His original award was \$10.

A. C. Hartman, Bldg. 17-3, on review of his suggestion regarding the elimination of balancing wings on certain fractional hp. motor armatures received \$20 additional award. The original award was \$20.

Tillman Gehrig, Decatur Plant, received \$15 on his suggestion regarding a change to the nailer used at Decatur.

Lloyd Garrison, Bldg. 4-4, received \$15 award on his suggestion of the use of double springs in taping machines in Bldg. 4-4.

Howard Langenbahn, Bldg. 27, suggested supplying punch and die for making current transformer strips and received \$15 award.

Sam Hanes, Bldg. 4-1, on his suggestion regarding the supplying of a tube for pressing commutators in Bldg. 4-1, received \$15.

R. F. Vondran, Winter Street Plant, received \$10 on his suggestion regarding cleaning and oiling check valves.

B. C. Metker, Bldg. 4-4, received additional award of \$10 on his suggestion regarding change to grinding of certain fractional hp. motor shafts. His original award was \$30.

William Fisher, Bldg. 26-4, was awarded \$10 on his suggestion regarding a change in the tool used for making clips in Bldg. 26-4.

Darrel J. Hirschfelder, Bldg. 26-2, received an award of \$10 on suggestion regarding change to tension racks used in the Transformer Winding Dept.

Nellie N. Berg, Bldg. 18-2, suggested a change in routine for handling transformer production cards and was awarded \$10.

C. B. Egts, Bldg. 26-2, was awarded \$10 on his suggested change to tension racks used in the Transformer Dept.

G. R. Mangels, Bldg. 17-3, suggested a change to the punch used in Bldg. 17-3, and was awarded \$10.

Seventy-eight awards of \$5 each were made as follows:

Henry J. Luedke, Winter St. Plant, supplying rollers for chair at automatic welder.

Wilmer Maloney, Winter St., installing ventilation equipment in Bldg. 26-4.

Fred J. Zehender, Bldg. 12-1, change to method of handling waxed paper for use in Bldg. 17-2.

Walter Shady, Winter St., supplying additional equipment for cleaning bases at Winter St.

Elmer Girardot, Winter St., use of rubber mallets for bending syphons.

Henry J. Luedke, Winter St., guard for conveyor.

Walter Ballard, Bldg. 12-2, guard for belt of lathe.

Harry E. Wilson, Bldg. 27, supplying switch on elevator.

Lester F. Busick, Winter St., supplying guards for machine.

C. W. Dellinger, Decatur Works, change to stamping block.

Ralph Ecenbarger, Winter St., supplying a shield at press.

Howard M. Such, Bldg. 19-4, marking worm gears for use in the Meter Dept.

Stanley Emery, Bldg. 26-1, change to equipment in test.

C. F. Hambrock, Bldg. 19-5, eliminating washers used with M-12 registers.

E. F. McLauchlin, Bldg. 26-1, change to light switch in stairway.

Charles Niblick, Winter St., change to switch on milling machine.

Mabel Sautter, Decatur Works, supplying oil containers at riveting machines.

William McClish, Bldg. 19-1, supplying pedal on shears.

Harold Federspici, Winter St., change to gate at stock room.

George D. Ellison, Winter St., supplying guard at grinder.

Frank A. Epple, Bldg. 19-5, supplying special screw drivers for testers.

Harold Wm. Gebhart, Bldg. 17-2, supplying guards on hydraulic presses.

Ray W. Holle, Winter St., supplying stop at conveyor.

Emma Reiling, Bldg. 17-4, change to insulation drawings for certain frac. hp. motors.

Clarence Shanebeck, Bldg. 4-1, supplying container for tags.

Elloise Hartman, Bldg. 4-4, supplying a device for drying leads.

John Runge, Bldg. 22, guarding rollers of Wright Dieing machines.

Clyde L. Boyce, Bldg. 17-2, supplying dampers on ovens.

C. A. Seslar, Bldg. 4-1, supplying guard at conveyor.

E. W. Miller, Bldg. 19-4, change to threading of MD-2 time studs.

Oscar H. Cook, Bldg. 27, change to punch and die No. 3588636 used at Winter St.

Frank C. Graffe, Bldg. 3-3, guarding chute doors in Bldg. 2-2.

John F. Schwalm, Bldg. 19-4, change to tapping heads.

Louis C. Kintz, Bldg. 19-5, counter-sinking for bolt heads on winding machines.

William Fisher, Bldg. 26-4, splitting cams used with wire benders.

Louis J. Hinen, Bldg. 4-1, change to plunger on press.

Albert H. Timme, Bldg. 26-4, guard on drill press.

Edward J. Struchen, Bldg. 26-4, routine for handling dump trucks.

Walter S. Griffith, Bldg. 17-3, placing finger on die.

Emery Pritchett, Bldg. 8-2, guard for commutator of motor.

George Cherry, Bldg. 20-1, rearranging presses and bench in Bldg. 4-4.

Beulah B. Class, Bldg. 4-5, change to operation on Frac. Hp. Motor Commutators.

Fred M. Herver, Bldg. 4-3, supplying a drip pan at varnish treatment.

G. K. Crow, Bldg. 4-1, guard for drill press.

Ream Huffman, Bldg. 21, supplying a gauge on clutch of Tandem wire rolling machine in Bldg. 8-1.

Daniel Bertsch, Bldg. 26-1, supplying a shelf at oven.

Quincy Winans, Bldg. 6-1, supplying holes in fabricated apparatus bases to facilitate fastening to skids.

John Schwalm, Bldg. 19-4, change of jig.

Ruth Anne Fulton, Bldg. 19-5, change to stock used for Form FW-428.

Arthur McNamara, Bldg. 19-5, supplying a counter on shears.

Velma Frederick, Bldg. 19-4, shortening pawls used in traffic signals made in Bldg. 19-4.

H. Paul Koogle, Bldg. 17-2, supplying additional pulleys for stickers.

F. Ely Current, Bldg. 17-2, change to filing operation.

F. Ely Current, Bldg. 17-2, change to location of stickers at test belt.

Charles P. Thompson, Bldg. 19-5, change to MC relay studs.

Virgil H. Foland, Bldg. 17-2, supplying a guard for blower.

C. Rodenbeck, Bldg. 19-1, eliminating operation of chipping pattern numbers from certain apparatus frames.

Carl B. Egts, Bldg. 26-2, change to signal lights on winding machines.

Ora V. Martin, Bldg. 19-1, supplying a clock in Bldg. 19-1.

C. C. Rodenbeck, Bldg. 19-1, use of bolts in place of cap screws on Motor Generator set pedestals.

R. Winters, Bldg. 26-2, supplying additional lubrication for winding machines in Bldg. 26-2.

C. F. Bohde, Bldg. 19-B, supplying jacks on sub panels in Apparatus Test.

E. J. Stroud, Bldg. 18-2, supplying collapsible boxes for holding tabulating cards in Service Bureau.

Joseph H. Cline, Bldg. 27, supplying roller forks in hack saws in the Refrigeration Dept.

Clayton Barrick, Bldg. 19-1, supplying block for testing armatures in Bldg. 19-1.

Clayton Barrick, Bldg. 19-1, change to operation of tapering pins in the Apparatus Dept.

William Bartels, Bldg. 26-4, supplying jig for grinding brackets in Meter Dept., Bldg. 26-4.

Arthur McNamara, Bldg. 19-5, eliminating plating operation on certain meter rivets.

Lamar Alwine, Bldg. 20-1, supplying guards on grinders in Bldg. 26-4.

Jule Mangin, Bldg. 17-2, change to slot insulation die used in Bldg. 17-2.

Chester Langley, Bldg. 19-4, change to length of T8 timer studs.

C. F. Horstmeyer, Bldg. 4-3, supplying a gauge for grinding tools.

F. J. Cantlon, Bldg. 4-1, change to conveyor.

Mary Nyboer, Bldg. 4-4, supplying extension on foot operated valve.

Carl Schoenher, Bldg. 4-3, supplying an oil guard on machine.

George W. Cooper, Bldg. 4-5, supplying a crane.

Arthur Torbeck, Bldg. 4-1, change to method of placing stators on conveyor belt.

Sam Hanes, Bldg. 4-1, supplying an extension to oiler on press.

It Pays To Suggest !



George Hess



Kenneth Sheehan



Francis Thomas



Harold Drage



Palmer Talmadge



Gustav Mittermaier

Eight Apprentices Finish Courses

EIGHT Fort Wayne Works apprentices completed their work in the month of May. Four of them took the electrical tester course, one the draftsman course, and three the machinist-toolmaker course. All qualified for the customary cash bonus by doing satisfactory work in both classroom and shop.

Harold Drage, the first to finish, completed his work in the electrical tester course on May 4. He had graduated from the Ossian high school before starting his apprenticeship here. At present he is work-



Palmer Wermager



Donald Thompson

ing for Mr. Gargett in the Transformer Cost section, Bldg. 19-2.

Gustav Mittermaier and Kenneth Sheehan completed the ma-

chinist and toolmaker course on the same day, May 11. Mittermaier, who came here after graduating from the Upper Sandusky High School, is now working for Mr. Wolf in the Apprentice Dept.; Sheehan, of Monroeville High School, is working in the Tool-making Dept., Bldg. 26-5.

On May 18 four students finished their courses. Palmer Talmadge and Donald Thompson were electrical testers, Palmer Wermager was a draftsman and George Hess a machinist and toolmaker. Talmadge, of Summitville High School, is with Mr. Clayton, Meter Dept., Bldg. 19-5; Thompson, of Farmland High School, is now with H. D. Murphy, Bldg. 20-2; Wermager, of the Gary, Minn., High School, is now with Mr. Danford, Meter Drafting, Bldg. 19-5; and Hess, who was a student at Fort Wayne Central High School, is with Mr. Wolf in the Apprentice School.

Francis Thomas, electrical tester, completed his course on May 25. He is a graduate of the Summitville High School. He has been assigned to Mr. Wylie, Bldg. 16-3.

Nineteen students enrolled for apprentice courses during the past month. Seventeen of these have chosen the machinist and toolmaker course; the other two are taking the draftsman training.

The new draftsman students are: Richard Hower, Ossian High School, class of '29, and Ellsworth Close, Huntington High School, class of '29.

The new machinist and toolmaker students are: Ted Clifton, Van Wert High School, '29; Howard Morton, Ossian High School, '29; Harold Hilsmier, Ossian High School, '29; Wayne Gillion, Bluff-

Foremen Celebrate Tenth Year of Their Association

ON May 21, 125 members of the G-E Foremen's Association met in Bldg. 16-2 to celebrate the tenth anniversary of the founding of the Association. The past presidents, with the exception of F. G. Fleming, J. R. Culver and A. L. Muldoon, who were not present, were at the head table. I. H. Freeman in the principal address of the evening reviewed the history of the club. As each year's activities were mentioned the president of that year pressed a switch which lighted an electric candle on a big cake.

During the ceremonies a large loving cup was presented to President R. J. Gollmer, who in a short address of acceptance commended the membership on the excellent attendance at all the association's events and expressed his appreciation of the co-operation that has been given him.

At this meeting special entertainment was furnished by Earl Gebert and son Richard, Claude Kelly, Guy Oberlin and Ioies Michamb, all of the Wire and Insulation Division, and 15 candidates

were initiated into membership. These new members are: Grover England, Hoy Bastian, J. C. Wagner, Carrol Elder, E. L. Price, W. P. Altekruse, L. J. Miller, W. D. DuHaven, G. V. Bridges, G. R. Fann, E. H. Leitz, C. O. Tuttle, C. E. Knepple, Ray Saul and C. G. Greek.

The men who have served as presidents of the organization are as follows: William Schultz, E. C. Olds, Fred Fleming, H. Stahlhut John Pulver, F. J. Schwartzkopf, H. J. Muldoon, William Bouck, H. E. Hire, L. D. Platt and Robert Gollmer who now is president. H. J. Muldoon, who was elected to serve as president for the year 1925, resigned during the summer and William Bouck, who was vice president, finished his term.

The next meeting of the association is scheduled to be a stag party and is to be arranged by foremen of the Winter Street Plant some time during the month of June. Members of the Wire and Insulation Division were in charge of the anniversary celebration mentioned above.

Homes of G-E Employees Bought Under G-E Housing Plan



Paul O. Vogt, 1650 Fairhill Road



Charles M. Griffith, Huntington Road



Edgar Waldschmidt, 4620 Lafayette St



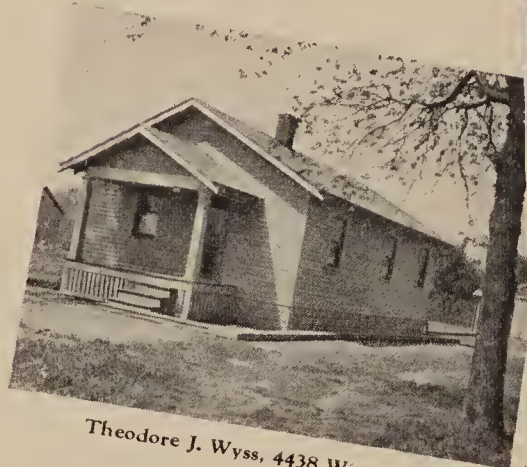
Clyde Boyce, Lima Road



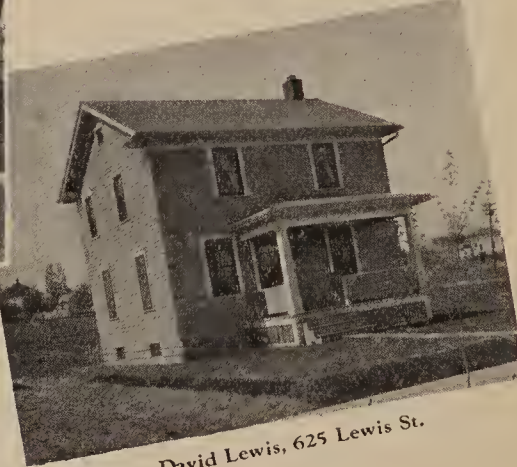
Elmer E. Schoenlein, 2514 Oakridge Road



Carl W. Sheimann, 2208 Ontario St.



Theodore J. Wyss, 4438 Winter St.



David Lewis, 625 Lewis St.



Jesse Buchanan, 454 Masterson Ave.



Walter M. Beaty, 347 Kinnard Ave.

Deaths

John Christman

JOHN Christman, 43 years of age, a punch press operator, Bldg. 4-1, died on May 8 at his home, 2804 Gay St. Mr. Christman was employed November 15, 1922, as a helper in the Induction Motor Dept., but was transferred a month later to the Punch Press Dept. under Mr. Narwold to serve as helper. Later he became a punch press operator and continued as such until August 13, 1928, when due to ill health it was necessary that he give up his work. He is a brother of Joseph Christman, Winter Street Plant. Mr. Christman leaves a widow, Mrs. Clara, and two children, Lawrence and Elleen. The funeral was held from St. Peter's Catholic Church on May 11 with burial in the Catholic cemetery.



John Christman

* * *

Edwin Henline

Edwin Henline, 30, a stacker in Bldg. 4-1, was killed when the automobile in which he was a passenger overturned at Avilla about 2:30 a.m. May 31. Mr. Henline and his wife, Elizabeth, Bldg. 17-2, had spent the holiday near Wolcottville with friends and Mrs. Henline had decided to stay in Wolcottville, her former home, over the week-end. Accordingly, Mrs. Henline was not with her husband. Mr. Henline had been continuously employed since May 17, 1926. Several years previously he had been employed for a short time as an armature winder in Bldg. 4-5. He is a brother of Harry Henline, machinist, Bldg. 19-3, and of Clara Henline, who



Edwin Henline

works in the office, Bldg. 19-3. The funeral was held Sunday, June 2, at the Redeemer English Lutheran Church, and burial was made at Concordia Cemetery.

* * *

George W. Grant

George W. Grant, 62, who for many years has handled the clerical work in the office of Foreman Charles Brenner, Bldg. 19-3, died at the St. Joseph's Hospital June 3 following an illness of a little over two weeks. Mr. Grant became a G-E employee at the Madison, Wis., Plant March 10, 1913. When the Madison Plant was closed he moved to Fort Wayne. Mr. Grant lived with his sister, Della H. Grant, in the Hoagland Apartments on West Berry Street. Surviving are two sisters, a son, Plainfield, N.J., and a daughter, Mrs. Harry Davies, of San Francisco. The funeral was held at the home on June 6 and burial was in Lindenwood.



George W. Grant

Apprentice Alumni Inspect Indianapolis Plants

THE annual inspection trip of the Apprentice Alumni took them to Indianapolis on



May 23. In order to have a full day in the capital city the boys left Fort Wayne at 4:30 a.m., traveling by motor bus. The first hour after arrival was spent in a visit to the State House and the Sailors and Soldiers' Monument. Then, as guests of the E. A. Kinsey Machine Co., the Dodge plant of the Link Belt Co. was visited. A dinner followed at the Hotel Severin and next an inspection of the Wheeler-Shebler Carburetor Company's plant.

This ended the more serious business, and the crowd then went out to the speedway and watched the tuning up and trial spins of cars attempting to qualify for the Memorial Day races. The 24 who made the trip were joined at Indianapolis by Erwin Auman, a graduate apprentice who is now a student at Purdue, and by Paul Burt, apprentice graduate who is associated with the E. A. Kinsey Machine Co. The boys had a most interesting and pleasant trip and greatly appreciate the courtesies of the E. A. Kinsey Machine Co. and the firms whose plants they were privileged to inspect.

The entertainment committee advises that it is planning a picnic outing to be held some time in June. During July the third-quarter business meeting and banquet will be held. Details of these events will be announced later.

Apprentices Graduate

(Continued from page V)

ton High School, '29; Noble Bell, New Haven High School, '29; Glenn Bower, Huntington High School, '29; Raymond Miller, Paulding (Ohio), High School, '29; Ralph Snyder, Woodburn High School, '29; Roy Sperry, Van Wert (Ohio) High School, '28; Dwight Dafforn, Lafayette Central High School at Yoder, '29; Melvin Faust, Bennett's Switch High School, '29; Alva Shull, Warren High School, '29; Elwin Wert, Sturgis (Mich.), High School, '29; Glen Goff, Marion High School, '29; Edson Dickey, Akron High School, '29; Kenneth Shepherd, Silver Lake High School, '29; and Robert Cains, Central High School.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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June 21, 1929

No. 6

Safety Paragraphs

Railroad Crossings

CROSSING watchmen are sometimes absent from their posts at train time; gates occasionally fail to lower; signals don't always flash, and wig wags don't wag. Railroads spend much time and money training and supervising their men and keeping mechanical devices in order but there is always a chance that someone may fall down on the job. When safety depends on one person or on a mechanical device something may go wrong.

If there is no warning device at the crossing, your own watchfulness is the only safeguard. If there is, the extra precaution of looking and listening is well worth while.

Double track main line crossings are particularly dangerous because of the speed of the trains. Sometimes a motorist will wait for one train to pass and drive right into the path of another coming from the opposite direction.

But don't get the idea that single track crossings on jerk-water branch lines are safe. Many of them have bad records just because motorists do not expect a train. For the same reason the most hazardous department in a plant may

go longer without accidents than some of the safer departments where men are likely to overlook the hazards. The local train on a branch line should be treated with as much respect as the Twentieth Century Limited.

The public demands safe, fast service from the railroads. The engineer must bring his passengers into the terminal on time or have a good reason for the delay. He cannot slow down at crossings. All he can do is to sound his whistle and hope motorists will use discretion.

Go slow at the railroad crossing and you won't go wrong.

* * *

Kerosene

In the death notices last month was mentioned one of our employees who died as the result of burns received at his home. This is the second of our number in less than a year to die as a result of the explosion of kerosene used in building a fire. In the other accident, which happened last December, two employees were burned, the one who did not die being burned so seriously that he was confined to the hospital for months. We mention these accidents because we are trying to teach G-E employees safety, not only in the factory but also upon the street, upon the highways and in their homes.

In both of these accidents the fire from the small explosion in the stove followed the stream of oil back to the can, exploded the oil in the can with such force as to

break windows in the house and throw blazing oil in all directions. The victims in such accidents are helpless, their clothing is covered with flaming oil and the room is a blazing furnace before they have a chance to move.

We would like to suggest, if you are unable to build a fire with paper and fine kindling and feel that you must use kerosene, that you leave the kerosene can on the outside of the house, the place where you ordinarily keep it, and carry only a small amount of it to the stove in an open receptacle such as a tin cup. Then if the grates happen to be hot or there happen to be some hot coals in the bottom of the stove which will form a very explosive gas, there will be only a small amount to explode and the damages are not likely to be very serious.

A.I.E.E. Ends Season With Banquet

THE local section of the A.I.E.E. closed its season with a banquet at the Chamber of Commerce on May 16. Some 60 were in attendance at this banquet, this number including guests. W. G. Gingery, principal of the George Washington High School, Indianapolis, gave a very interesting address on the subject of astronomy and Prof. W. T. Ryan, University of Minnesota, vice president of the Great Lakes District of the A.I.E.E., gave a short talk on the work of the Institute.

At this meeting the result of the annual election of officers was announced. F. W. Merrill, Fractional Hp. Motor Engineering, was chosen chairman for this next year; J. F. Eitman, Transformer Engineering, was elected vice chairman; E. J. Schaefer, Fractional Hp. Motor Engineering, secretary-treasurer; S. W. Winje, Indiana Service Corp., assistant secretary-treasurer. A. L. Hadley and M. J. Payton were named on the executive committee.

C. F. Beyer, the retiring chairman of the local chapter, presided at the banquet. Mr. Beyer will represent the local chapter at the annual summer meeting of the Institute to be held at Swampscott, Mass., June 24 to June 28.

Safety First in History

*When Adam, so the records state,
With clothing quite inadequate,
Refused to leave the garden gate—
Now that was Safety First*

*When Noah heard that there would be
A terrible catastrophe,
He built an ark to sail the sea—
Now that was Safety First.*

*When Solomon the great and wise,
Had wives he used to idolize,
He locked them up like bees in hives—
Now that was Safety First.*

*When Arthur and his gallant Knights,
Got ready for their bloody fights,
They clothed themselves in metal tights,
Now that was Safety First.*

*When Indian Chief stood up and said,
That Captain Smith must lose his head,
Then John, he wooed the girl instead—
Now that was Safety First.*

What Is Right in Industry

It's Easy Enough to Establish Principles; the Difficulty Comes When They Have to be Applied

By OWEN D. YOUNG
Chairman of the Board of Directors

ONE bright crisp day in the fall of 1905, David Shaver was driving down the long, winding and only street in Van Hornesville. His conveyance was a one-horse lumber wagon with bottom boards and no box. David was standing on the boards, his long gray beard waving in the breeze, driving a horse that looked almost as old as he. Suddenly around a bend in the road a large motor car showed up. The old horse went over the stone wall and down into a hollow about ten feet below the road. The wagon and David followed. There was a mix-up of broken harness and bottom boards and whiskers. The driver of the motor car seeing the catastrophe, stopped, looked over the wall, and solicitously asked, "Can I do anything for you?" David slowly disentangled his whiskers and answered, "No, I think you have done all you can for me this morning."

As I said, that was in the year 1905. Motor cars were just beginning to occupy our roads. At the same time here and there, sometimes without notice, big business began to show up around the bend.

There is a striking parallel between the two. Then motor cars were not very highly developed nor very reliable. Their drivers were likely to be men of adventure and of courage, frequently none too considerate of the old wagons on the road. Often they were quite unskilled; and then too the roads themselves were not very well adapted to the new machines. As time went on, the old-horse-cab drivers became motor-cab drivers and they drove with

something of the abandon and the carelessness with which they had driven the horses, not fully realizing that a 40-horsepower motor was a different thing from a one-lung horse. Now in 1905, my old friend David did not like motor cars. He had had his experience with them. He would have been glad to have shut them off the road altogether. But some years later I had the pleasure of taking him in a motor on what he described as the best ride of his life. Then he thought better of motor cars and finally he came to understand, as we all have, the great contribution which they have made to the health, wealth, and happiness of all people.

It was much the same with big business. Sometimes its drivers were reckless; sometimes they were highly careful and conscientious, but old horses of business were not yet adjusted to the new device. Dire prophesies were indulged in as to what would happen if large business units were to be permitted.

It was said the masses of the people would become their slaves. The business machines have become better adjusted through a quarter of a century. The drivers of them have become more skilled. In a sense, they are people trained for the job like the motor-car drivers. And while we still have left with us some of the reckless and irresponsible ones who are a menace to the road, by and large we move cars by the millions with amazing skill and safety, and so we do our business. The horses remaining take no notice of them, and David today, were he living, could ride down the road in Van Hornesville with safety, without irritation, without bitterness or even envy, because the chances are even if he kept his horse, he would have a motor in the barn standing beside it. So our big business has not justified the fears of our people. Exploiters no longer own the big concerns. Bankers no longer own them; their shares, like motor cars, are spread from one end of the country to the other in every city and village of the United States. And broadly speaking, the vast organizations are in skilled hands and the road is reasonably safe.

Now when we think of what is right or wrong in business, we must take account of the conditions under which such impressions are formed. Everything was wrong with business, or especially big business, in common opinion in 1905. Like motors, it appealed to the daring only. Such prejudices as exist against it today are



much more largely due to the recollections of the old days than to real complaints of this day. Just as the horse driver today is less considerate and less careful on the highway, so it is likely to be true that the smaller units of business, not the larger ones, are less considerate and less careful. We have had to go through this process of adjustment, however. We have had to change our rules and practices in business and our laws governing it in the last quarter of a century, just as we have had to change our rules and practices on the highways. We have had to extend governmental control over business by way of regulation in the interest of all, just as we have had to compel the carrying of lights and license plates on motor cars. We have had to broaden the road and strengthen our bridges in order to prevent collapse, and so in the matter of reserves and conservative business practices, our new concerns, for the most part, are far superior to the old. We have to see further ahead on the road and so we put strong headlights on our cars to show the road, just as we put research laboratories and long time budgets and surveys onto our machines of business.

Now I am not here to say that all is right with business. It is far from that. But I am here to say that in the last quarter of a century, we have made great progress toward the right. Our difficulty does not come so much from bad men or bad principles as it does from the difficulty of applying right principles to increasingly complicated situations. True, we have still an occasional drunken driver, an occasional malicious driver, an occasional ignorant driver, but they are not our principal danger. Our greatest risk is in the mistaken judgment of good drivers or their inexperience or carelessness where the traffic is heavy and the signals are complicated.

Let us take an example or two. What is right or wrong with the discount rate of the Federal Reserve Bank of New York, or with the bank rate, as they say in London when it is fixed by the Bank

of England? Do you say there is no question of right or wrong in the moral sense of the bank rate—that it is a financial matter? And yet I am here to tell you that I know of no act in business which bristles more with moral problems than the fixing of a bank rate. I do not mean problems in the sense that the men who fix that rate are likely to act in bad faith. Not at all. I mean in the sense that men may fail to apply correctly the sound moral principles which they recognize to a difficult and complicated business problem. Sometime later

Some time ago Mr. Young was invited to deliver an address on the subject, "What Is Right in Industry." The subject is of such immediate interest to G-E men and women that his address is reprinted here in part.

when the thing has been done, and looking backward it is found that a mistake was made, then it seems so clear what should have been done that men without experience or with little experience, or men who are looking for trouble, say: "Something is wrong with business—look how that bank rate was fixed."

Now the making of a bank rate affects the volume of currency and credit. It increases or diminishes the value of money. As a result of it a debtor pays more and a creditor receives less, or else the converse is true. Every wage earner is affected in the purchasing power of his earnings by the bank rate. Every aged person or invalid dependent upon the income of a trust fund may have more or less of the things he needs as a result of the bank rate. It is a high moral responsibility to fix a bank rate.

When I was in Germany in February of 1924 working on the Dawes Plan, you will remember that the currency of Germany was depreciating so rapidly that the industries paid their wages daily, and sometimes indeed twice a day. Standing with the lines of employees was another line of wives and mothers waiting for the marks. The

wife grabbed the paper from her husband's hand and rushed to the nearest provision store to spend it quickly before the rapid depreciation had cut its purchasing power in two. When the representatives of labor in Germany appeared before the Dawes Committee, I put to them this question: "What can this committee do for German labor?" I expected the answer to be some one of the slogans of labor, such as the eight-hour day, old age or disability pensions, insurance against unemployment, or something of that kind. Much to my surprise the answer came promptly: "What your committee must do for German labor is to give us a stable currency." "Do you know," the representatives of German labor said, "that for many months it has been impossible for a wage earner in Germany to perform any of his moral obligations?" Knowing that a child was coming to the family at a certain time, there was no way by which the husband, through effort or sacrifice or savings, could guarantee his wife a doctor and a nurse when that event arrived. One knowing that his mother was stricken with a fatal disease could not by any extra effort, sacrifice or saving be in a position to insure her a decent burial on her death. And so he said: "Your committee must, just as a basic human thing, give us a stable currency and thereby insure to the worker that his wages will have the same purchasing power when he wants to spend them as they had when he earned them." Prior to that I had always thought of money and currency and credit as a mechanism of finance, impersonal in its operation. Not until then had I appreciated how closely it lies to life and the basic moral problems of every man and woman. Yes, indeed, here the traffic is heavy and the signals complicated.

Now why have I taken all this time to speak of a very remote and highly technical question such as the fixing of the bank rate? Why have I endeavored to suggest to you that moral questions are involved in that particular action? It is only for this: I want you to get in your mind now, once and for

(Continued on page 10)



A Portion of the Utah Copper Company's Mine, Showing the Various Levels on Which the Ore is Mined

G-E Locomotives Haul Ore at World's Largest Electrified Metal Mine

THE Utah Copper Company can now claim the distinction of operating the world's largest electrified metal mine. The electrification of the haulage system of this mine, located at Bingham, Utah, starting on a large scale early in 1928, has progressed to a point where the electric equipment involved is the most complete and up-to-date in use in any mine at the present time.

Although the actual mining operations had been electrified with the installation of electric shovels, the haulage system had till the middle of 1928 been of the steam type. A trial locomotive was built by our Company, and after severe tests in service was found satisfactory—so satisfactory that twenty more locomotives were ordered together with suitable substation equipment. At the present time more than half of them are in service, and their performance has brought an order for an additional twenty locomotives. Such an order is indeed an endorsement of G-E equipment.

The copper is now being mined on the west side of the canyon in which the town of Bingham is situated. Twenty-seven giant electric shovels, mounted on caterpillar tractors working on successive terraces, cut in the mountain face and re-

move the overburden of soil and rock which covers the ore, and then finally remove the ore itself. The waste material is loaded in cars and hauled away by the electric locomotives to be dumped at another place in the canyon. The ore is hauled down to the mills at Magna, 17 miles distant.

These terraces or levels on which the mining operations are carried on, range from 60 to 100 ft. in elevation and from 10 to 400 feet in width. There are some 23 levels, lettered consecutively starting with "A" and ending at "W," which is 1500 feet above the "A" level. And

the only way of reaching the various levels is by a series of switchbacks, each with a grade of 4 per cent. When one considers that total trackage on the canyon side is 70 miles, the magnitude of the task faced by G-E engineers in electrifying it can be fully appreciated.

Because of the steep grades, the switchbacks, and the curved track, all of the locomotives had to be specially designed. Seven locomotives are of the combination type for use where the power cannot be obtained through the usual overhead system. They are equipped for, in addition to overhead collection of power and side arm collection, operation on storage batteries. In addition, all the locomotives carry 2500-ft. cable for use in places where it is impossible to string wires, or on temporary tracks. The operation of the cable reel is automatic. When an operator has to use the cable, he merely hooks it over the end of the wire and starts off. As the locomotive moves, the cable is paid out with corresponding speed, and when the locomotive returns, the cable is picked up in a like manner.

At the present time 70,000 tons of copper ore and 30,000 tons of waste are being removed each day.

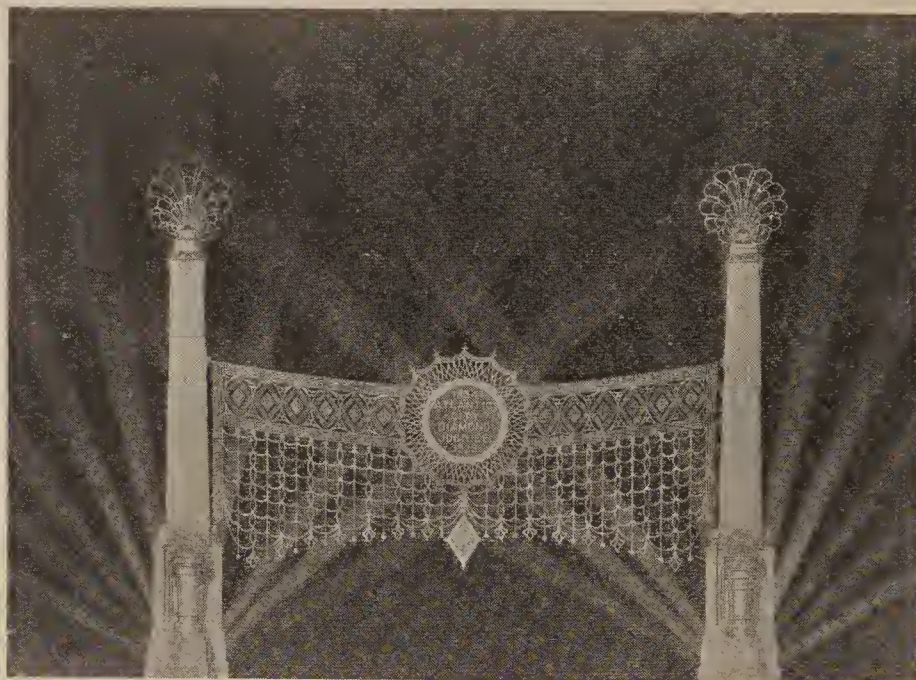


One of the Locomotives, Showing the Side-arm Method of Collection

(Continued on page 11)

Here and There With the G-E Cameraman

Lieut. Harry Adams of the Byrd expedition, who visited the G-E short wave station at Schenectady, May 9, while on a short visit from the Antarctic



This jeweled archway, designed by G-E lighting engineers, spans the boardwalk at Atlantic City heralding the city's Diamond Jubilee

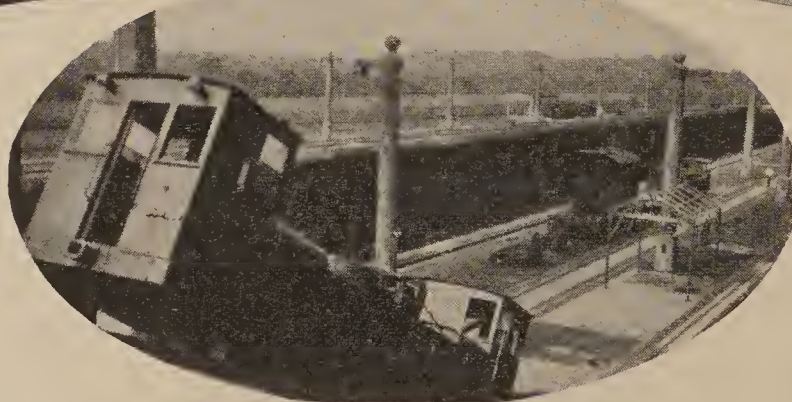
Babe Ruth and the new Mrs. Ruth count the days of their wedded bliss on the G-E calendar hanging on the wall just over Babe's shoulder



Lady Heath, famous English aviatrix, second from the right; Clarence Chamberlain, center; Mrs. Chamberlain, and two army aces who recently took part in a WGY program broadcast to the Byrd expedition



Chicago's new indoor stadium is brilliantly lighted by G-E lighting equipment



One of the G-E equipped electric "mules" that tows the vessels through the locks of the Panama Canal

Around the World



with General Electric

Schenectady

And now G-E engineers prescribe what clothes shall be worn for nocturnal pedestrian excursions along the highways. It is a pretty state of affairs when serious scientists become fashion dictators. Yet G-E street lighting specialists have determined after a series of road tests that a person in order to be safe in walking along an unlighted highway must wear light clothes. It was found that a person in dark clothes even with the headlights playing full on him cannot be discerned by a motorist until the car is so close upon him that only a very sudden stop would prevent him from being run over. In another experiment with highway lights turned on, it was found that a person in dark clothes was vividly revealed in silhouette against the glow of the lights. Thus they demonstrated that in order to void this decree for light clothes while walking on unlighted roads, it is necessary to install adequate highway lights.

The Holland Tunnels—New York

Unfailing and untiring, the electric traffic counter has taken up its post in the Holland Tunnels. At the exit end of one of the two-mile tunnels it is faithfully recording the passage of cars, and registering the count on a dial in the New York administration building of the tunnel commission. This experimental unit of G-E apparatus consists of a small floodlight mounted in an inclined position upon the overhead iron-work of the tunnel, its beam of light, falling upon the circular window in a box placed beneath the sidewalk at the opposite side of the roadway. The box contains a photo-electric tube, an amplifying tube and an electric relay. Every time a vehicle passes the spot, the beam of light is interrupted and a slight electrical impulse is created in the photo-electric tube. The impulse is amplified by the vacuum tube and fed to the relay which in turn energizes a transmission circuit leading to the administration building.

Madrid

On the stage of one of Madrid's most aristocratic theaters, the G-E electric refrigerator has made its debut as a real character actor in the rôle of "General Electric." That it played its part well is attested to by the generous applause of the audience. Of course it could not acknowledge the ovation with a bow, but with modesty becoming to its frozen white beauty, it accepted all tributes and silently continued to play its rôle. The opportunity for this unusual appearance came when the Teatro de la Comedia decided to present the play, "Que Tienes en la Mirada," by the famous Spanish playwright Señor Munoz Seca. The setting for this comedy called for but two chairs, a mantelpiece and a G-E refrigerator. Taking as it did an important part in the action of the play, and being the most notable element of decoration on the stage, it dominated the entire scene to the extent of shadowing the Spanish actors. At least, so it is reported by the G-E dealers of Madrid. The play will be repeated in several theaters throughout Spain, giving many fair señoritas and señoras the opportunity to see how splendidly an American refrigerator can act.

Porto Rico

Two G-E refrigerators mounted on a float on either side of a center piece representing the sun, won first prize in a parade at Caguas in Porto Rico. On the rays that radiated from the sun were inscribed the qualities of the refrigerator: "Duradero como el sol," meaning, *as durable as the sun*; "Silenciosa," meaning *silent*; "Eficiente," meaning *efficient*; "Economica," "Seca," and "Protectora," meaning respectively *economical*, *dry* and *protective*. The sun and its rays were gold colored, and the display certainly made an impression, as the sales now show. The display was designed and constructed by Seoane, Gonzalez and Co., I.G.E. dealers in Porto Rico.

Chicago

A toy electric train that will stop, go, and even back up when told to has been developed by our Company. Such voice-controlled apparatus opens interesting possibilities in the lines of further application. Think of the convenience of a device that would open and shut the bedroom window in the winter time, by merely telling it to, or the comfort of a mechanism that would automatically fix the furnace in the morning according to the telephone orders given. "Casey Jones," the toy train, takes orders through an ordinary telephone transmitter, which carries the voice impulses through a radio detector tube to a special selector that determines which way the current in the tracks will flow, and consequently which way "Casey" will travel. The command, "Go ahead, Casey!" will send Casey merrily on his way around the track. A two syllable order of "Back up!" sends Casey backwards, and the command, "Stop!" breaks the circuit, bringing Casey to a halt.

Atlantic City

On May 30, Atlantic City opened the celebration in honor of its own diamond jubilee and the Golden Jubilee of Light, the 50th birthday of the incandescent lamp. Appropriate to the occasion, it erected an archway on which are suspended 25,000 imitation jewels. This rather dazzling spectacle, which towers 57 feet above the boardwalk, was designed and erected under the supervision of W. D'Arcy Ryan, director of the G-E illuminating laboratory. The jewels, each two inches in diameter and cut much like a diamond, are so mounted that they vibrate in the slightest breeze, producing a resplendent display in the sunlight by day and in the rays of the 36 powerful searchlights at night. Five different color screens with each searchlight add to the effect of the spectacle. G-E is also represented in the city by a large electric fountain and a 40-ft. illuminated monogram.

A New Mode of Travel in South America

G-E Powered Cableway Provides Transportation in Colombia

DOWN in South America where the Andes punctuate the clouds with great peaks reaching four miles high, travel is not the simple thing that it is in this country, according to an article that appeared recently in the *I.G.E. Digest*. A little journey that would take a day in this country, might require many days and perhaps weeks. And many places are almost inaccessible, by any mode of travel. In Colombia, the Andes are not satisfied with being a coast range, but spread themselves out and cover nearly half of the country. As a good share of the country's wealth in minerals, potential hydroelectric power, and sites where agriculture may be profitably developed, are up in these mountains or on the plateaus, the best engineering skill has been taxed to develop means of communication.

But engineers have not been able as yet to conquer all the obstacles that these mountains present. Thus in Colombia one still finds all methods of travel from the most primitive means of transportation, a log raft floating down a stream at two or three miles an hour, to the most modern, a metal hydro-airplane

roaring over the mountains at 140 miles an hour. The Indians still use their rafts made of four or five balsa logs lashed together by jungle vines. There is also the canoe hollowed out of a hardwood log, and the champam, a giant canoe that is poled along by twenty or thirty natives on a runway of woven vines. Civilization brought to the rivers steam-driven, wood-burning and oil-burning stern wheelers of the Mississippi River type. And now there are also Diesel-engined stern wheelers and gasoline launches in use. On land, the horse and mule are used in all parts of the country, and bullock carts are not uncommon. On some of the trails up in the higher ranges, women and children have to be carried on the backs of Indians. With the exception of the coast line, the Pacifico, most of the railroads are only connecting lines between the centers of river transportation. Though the railroads are only in the course of development, they can never hope to solve the transportation problem, for the mountains



A Substitute for a Freight Train

form an almost insurmountable barrier to the construction of a system of general intercommunication between Colombian cities.

In the latest endeavor to conquer the Andes, Colombia has taken to the air in two ways. Its up-to-date system of airplane transportation is the first. The big metal planes, carrying mail and passengers, make trips in six hours that would take from eight days to three weeks by water and rail. And the second is its "aerial ropeways."

For many years it had been a vexing problem to connect the outlying coffee districts that were located high up on the plateaus with the terminus of the railroad to a Pacific port. The idea of building railroads and highways was abandoned because of the prohibitive cost of roadbuilding in the mountainous country. In 1925 it was finally decided to construct two mono-cable ropeways, one serving the northern districts, 37 miles long, and the other serving the western districts almost 43 miles long. The national government is contemplating an extension of the cableway to the Pacific coast, sometime in the near future.

This mono-cable system is operated by an endless moving cable supported throughout its entire length on steel pulleys mounted on galvanized steel trestle towers. G-E electric motors geared or belted to a large driving drum about which the cable passes furnish the driving power. At the opposite end of the line the cable passes about a similar freely turning drum, which by means of heavy concrete counter-



This Giddy Descent Brings One to Villa Maria



A Passenger Car on the Aerial Cableway System

weights suspended from a steel frame is held in the right position to maintain a suitable cable tension.

The little cars are attached to the cable by a saddle designed to pass freely over the pulleys. On the frame to which the saddle is attached there is a set of little pulley wheels on which the cars operate in the stations. On entering a station the cable runs below the shunt rail system which engages the pulleys and automatically releases the car from the cable. While in the station, the cars are pushed about by hand, and when leaving are lowered onto the cable and automatically attached to it.

One of the requirements of the installation was that it be capable of transporting passengers and not less than 20 tons of cargo per hour each way. In order to do this, it was decided to use a steel wire cable of six strands, having seven wires each, and a hemp core. The operating speed of the cable is 120 meters per minute, or nearly $4\frac{1}{2}$ miles per hour.

A single cable could not be stretched over the entire distance, of course, so the system was divided into a number of sections each with a power and tension unit. These stations have in every instance been so located that they are at cargo centers and provide for the necessary line deflections. The average distance between stations is approximately 3.7 miles.

And these stations are not in any way like the stations we are used to seeing and thinking of. They are curious "S" shaped structures with the cables entering at either end. Both passenger and cargo cars within the station are handled by hand on an overhead shunt rail system.

Someone has jokingly called this cable system the paradise of

Scotch tight-rope walkers, but it would indeed take a hardy tight-rope walker to cross over canyons that yawn some 3000 feet below without getting giddy, or ascend with the cable on steep mountain sides without slipping. It is indeed quite a hair-raising experience only to ride safely within one of the little cars. And while descending on a mountain side, it might be difficult not to start wondering just what would happen if something went wrong with the machinery and the brakes were out of order. And this problem was indeed no easy one for the engineers to solve. When a loaded car was descending on a mountain side with no car going up to counter-balance it, there had to be some

very effective brakes that could not go out of order to keep the car from running wild and wrecking the system at the cost of several lives. Ordinarily mechanical brakes would not stop the system once it had gained speed in the wrong direction, nor would regenerative braking.

After careful consideration, R. Fawcett at the Bogotá office of our affiliated Colombian Company, devised a brake operated by an oil pressure governor. And this arrangement has proved ideal for the purpose, because it applies the brake on the first tendency to overspeed.

The six motor-operated stations on the northern line are equipped with 100-hp. variable speed motors. And the hydro-electric plant, built to furnish power for the system, contains three G-E generators and other miscellaneous G-E equipment.

The construction of a ropeway of this size and capacity is a continual battle against the forces of nature. Malaria breeding swamps, suffocating heat, and penetrating cold rain and sleet at the higher altitudes are constantly encountered. And in the construction of this cableway though the difficulties were tremendous, they were successfully overcome. And now many Andean settlements, hitherto isolated in their rugged mountain country, are being brought together and into contact with the outer world. The construction and successful operation of the cableway is a tribute to the foresight of government officials and to engineering skill.



This Curious "S" Shaped Structure is a Station

Seward Prosser—A Man of Wide Interests

THOSE who have felt a mild embarrassment at being detected marking on a pad during a



Seward Prosser

telephone conversation or while listening at a conference, may be glad to know that so keen a business man as Seward Prosser, one of the directors of our Company, has the same habit. At a board meeting, he draws endless diagrams while business is being transacted. Suddenly the drawing stops, and out comes a question or a remark, very much to the point. Mr. Prosser hasn't really been interested in the drawing; he's been following the business before the meeting with keen, analytical attention.

He's been following business with the same keenness and attention ever since he was sixteen years old, as a matter of fact—and that means for over forty years.

He was born in Buffalo, N. Y., May 1, 1871, and was educated in the public schools of that city and in Englewood (N. J.) School for Boys. He admits that he did not shine as a student. Perhaps that was because business was insistently beckoning and intimating that

it had something to offer him. It had—a great deal.

In 1887 he went to work with the Provident Savings Life Insurance Company. He liked the insurance business and, becoming a member of the firm of Prosser and Homans, represented the Equitable Life Assurance Society and held the position of manager of the Metropolitan District of the latter organization.

In 1906 he entered the banking field, having been elected vice president of the Astor Trust Company. Six years later he was chosen president of the Liberty National Bank, and in 1914 he became president of the Bankers Trust Company, of which he has been chairman of the board of directors some years past.

He is, and always has been, a busy man; but he is not too busy to find time for helping worthy causes. Philanthropy has always been one of his great interests. During the World War he was actively in charge of the first Red Cross campaign, in which more than \$100,000,000 was raised.

Then there is baseball. It might be thought that he keeps his eyes pretty well fastened on the stock ticker tape, to the exclusion of other interests. But he follows baseball bulletins as well. He's something of a baseball "fan"—always has been. In the days when he was climbing the ladder of the business world he somehow found opportunity to play

as a member of some of the amateur teams of the metropolis. Now, while still maintaining his interest in the game, he has substituted cruising along the coast from New York to Maine; and sports in general interest him.

The versatility of his interests is indicated by the list of industries with which he is connected. He is a trustee and a member of the Finance Committee of the American Surety Company and the Mercantile Safe Deposit Company; a director of the American Locomotive Company, International Nickel Company, Northern Railroad of New Jersey, Kennecott Copper Corp., Astor Safe Deposit Company, Palisades Trust and Guaranty Company (Englewood, N. J.), General Motors Corp., Graphite Metallizing Corp., North American Reassurance Company, Pacific Coast Company, Chase Securities Corp., Braden Copper Company, Braden Copper Mines Company, Discount Corp., Antony Gibbs & Company; trustee, Seaman's Bank of Savings.

In our own industry, in addition to its financial aspects, he takes the interest of an imaginative man, a man with a sense of curiosity, who, although not technically trained, sees the benefits thus far wrought by the application of electricity to the world's work, and envisions the infinite number of remaining tasks to which it may be set.

President Hoover Heads Golden Jubilee Committee

PRESIDENT Herbert Hoover has accepted honorary chairmanship and will head the general committee for the international and national celebration of Light's Golden Jubilee, it was announced at a luncheon given by Paul D. Cravath at the Bankers' Club, New York, recently. President Hoover's message read:

"I have your kind letter of March 30 requesting that I accept honorary chairmanship of the sponsorship committee of the Edison Pioneers.

"I shall be delighted to act in any capacity that will mean a genuine tribute to Mr. Edison's services."

The celebration, commemorating the fiftieth anniversary of the perfection of the incandescent lamp by Thomas Alva Edison, was inaugurated by a series of light festivals beginning at Atlantic City, N. J., on May 31, and will end in a great international tribute.

The inauguration of Light's Golden Jubilee on May 31 in Atlantic City, as a tribute to signalize Mr. Edison's outstanding contributions to the advancement and comfort of humanity, will have its climax in a great festival of light throughout the United States, on October 21, the commemoration date, and a

testimonial dinner to be given to the inventor by Henry Ford, at Dearborn, to be attended by America's most distinguished men. This will also be the occasion of the dedication, at Dearborn, of the completely restored Edison's Menlo Park laboratories and other buildings from Menlo Park, which will permanently preserve for the people a record of the life and inventions of Mr. Edison. Men and women and organizations from all sectors of life will participate in the tribute. There will also be an extensive radio hook-up and other festivities.

Our Flag

A Few Notes On Its History

By S. W. ASHE, *Pittsfield Works*

THE Star Spangled Banner, our National Anthem, is an old English tune which was first used in this country to the words of the song "Adams and Liberty." The present words were written by Francis Scott Key who was born in Maryland, 1779, and who died in Washington, D. C., 1843. The flag which inspired the words was, by consent of the government, given to the defender of the fort, Gen. George Armistead. At his death he bequeathed it to his daughter who was born in the fort during the bombardment. It is now owned by the Massachusetts Historical Society.

The word "flag" is from an Anglo-Saxon word fly, or—to float in the wind. Some say from the German word "flackern" (to flutter). The need arose back in primeval times for a sign to distinguish families and tribes and finally took the form of the national ensigns from which we derived our flags. The American flag is one of the oldest national flags in the world. It is said that the idea of combining stars and stripes came from Washington's coat of Arms. Our banner represents to us and to the people of the world the principles for which our Government stands. Henry Ward Beecher said, "Where you see a Nation's Flag you see not the Flag but the nation itself."

When the new American Flag was decided on a committee was appointed to see to its manufacture and it asked Mrs. Elizabeth Ross, sometime during the latter part of May, 1776, to make it. This she did so successfully that the resolution was passed to have the flag of our nation made after this pattern. According to Washington, the red of the flag means be brave, the white means be pure and the blue means be true.

Tradition has it that when asked if she thought she could make the flag from the rough drawing submitted by Washington, she replied with becoming modesty that she "would try." In Washington's plan the stars had six points, and Mrs. Ross informed the committee that

five was better. So then she deftly folded a piece of paper and clipped out a true, symmetrical, five-pointed star. This type of star, with one point upward, is an ancient symbol of authority and dominion.

Betsy Ross was asked to make the sample flag according to her own ideas of the arrangement of the stars and the general proportions of the stripes. The first arrangement of the white stars on the blue field, seems to have been



in a circular formation. This is shown on the famous flag carried by the Maryland troops at the battle of Cowpens in 1780, and made by Betsy Ross. This flag is preserved at the State Capitol at Annapolis.

The house in which the flag was made is still standing, although it is more than a century and a half old. The front is now used as a store. The room in the rear in which the flag was made has been preserved and although small and poorly furnished it will always remain one of the houses which is inseparably associated with the world's most beautiful flag—one upon which the sun never sets as it flies over all of our consulates and embassies throughout the world. Mrs. Ross conducted the flag business for more than fifty years, furnishing all the official standards used by our country during that period.

On June 14, 1777, the Stars and Stripes, by act of Congress became

the official flag of the United States. Previous to this time at different intervals numerous flags, nearly seventy in number, had floated over the colonies.

The first record we have of its being carried by the army in battle was September 11, 1777, at Brandywine. It is interesting to note that during the War of the Revolution the number of stars was 13; in the War of 1812, 15; in the Mexican war 29; in the Civil War 35; in the Spanish American war 45, and in the World War 48 stars. The Stars and Stripes is among the oldest of National banners. It is older than the present British Union Jack, older than the French tri-color, older than the flag of Spain, and many years older than the flags of Germany and Italy.

It is a strange fact that for eighty-nine years after the Stars and Stripes were adopted by the American Congress, they were made of foreign material. All through the War of 1812 and even through the Civil War, no American soldier marched or fought under a yard of American bunting.

The first flag of American bunting was raised over the capitol at Washington in February, 1866.

Owing to the tariff and the scale of wages the culture of silk in the United States has never been successful. However from 1880 to 1890 the Woman's Silk Cultural Association successfully raised and reeled cocoons from which thousands of yards of silk were manufactured.

If a man sees his citizenship as something which will bring him gain rather than an obligation to contribute to his country's progress, he has little of the spirit of our early Pilgrims who struggled to establish the ideals on which our country's progress is founded. We live in a community and enjoy the community life, and the protection, the comforts, the pleasures and the opportunities it creates and in return we owe the community a definite part of our enthusiasm and effort so that our children and those

who follow them will benefit by the contribution we have made to our country's growth. This is the true spirit which Old Glory stands for.

What Is Right in Industry

(Continued from page 2)

all, that when you discuss what is right in business the difficulty lies not in determining what is right in principle. It is rather in the application of the principle to the vast, complex problems of our modern business. If you ask me with reference to business what is right in principle, I answer that the golden rule supplies all that a man of business needs; yet if you ask me to apply the golden rule to a bank rate, I find it amazingly difficult to do. It is like telling me to apply the multiplication table to the design and manufacture of a steam turbine. I know the principles of mathematics that underlie the building of that great machine, but it is a highly difficult problem to step from the multiplication table to the steam turbine. If by any chance that turbine is not built in accordance with mathematics it will explode, lives will be lost, and ruin come to many innocent people. And so the design of a turbine requires conscience and care in the engineer and the highest regard for moral values at every step in order that the machine intended for service and value to man may not turn out an instrument of menace and destruction.

To return, however, to the point. What is right in business requires, in highly complicated situations, that the golden rule be applied by men of great understanding and knowledge, as well as conscience. They must be technicians in the sense of making the connecting link between the golden rule on the one side and the most complicated business transaction on the other. They must be as highly skilled as the turbine engineer who makes the connection between the multiplication table and the modern high-pressure turbine with its high temperature, wheels revolving at great speed, and an electrical output which if let loose is as destructive as the lightning of the gods.

(To be concluded in the July 19 Issue)

Death Claims Paid, Disability Claims Allowed, During April

Death Claims

Service Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Add'l Ins.
<i>Schenectady Works</i>						
3	Mar. 24	Joseph Santore.....	23	Wife	Yes	Yes
8	Mar. 25	David M. Paul.....	52	Wife	Yes	Yes
17	Apr. 10	Nelson Simkins.....	63	Sister	Yes	Yes
16	Apr. 13	Frank A. Delello.....	64	Children	Yes	Yes
33	Apr. 16	John H. Waldron.....	48	Wife	Yes	Yes
25	Apr. 17	John H. Cornelius.....	43	Wife	Yes	Yes
24	Apr. 18	Mark G. Delaney.....	72	Wife	Yes	Yes
25	Apr. 21	William Saitkowski.....	53	Wife	Yes	
<i>River Works</i>						
3	Mar. 29	Marie G. Lynch.....	39	Husband	Yes	Yes
<i>West Lynn Works</i>						
21	Apr. 3	William Gilchrist.....	63	Wife	Yes	Yes
26	Apr. 8	Albert B. Marvell.....	65	Wife	Yes	Yes
<i>Pittsfield Works</i>						
1928						
2	Dec. 21	Robert W. Kennedy.....	40	Estate	Yes	
1929						
6	Mar. 28	Joe Marino.....	37	Wife	Yes	Yes
12	Apr. 9	Edward E. White.....	62	Wife	Yes	Yes
6	Apr. 14	William A. Duplis.....	39	Wife	Yes	Yes
<i>Erie Works</i>						
4	Mar. 15	George H. Cornell.....	51	Wife	Yes	Yes
<i>Ft. Wayne Works</i>						
28	Mar. 19	Christ W. Martin.....	55	Wife	Yes	Yes
<i>Bloomfield Works</i>						
20	Feb. 17	Karl Fihn.....	57	Estate		
<i>Merchandise Dept.</i>						
15	Mar. 15	Herbert H. Rosenbaum.....	42	Wife	Yes	Yes
<i>Philadelphia Works</i>						
7	Mar. 29	John G. Lamb.....	36	Wife	Yes	Yes
28	Apr. 12	Leland J. Schaeffer.....	47	Wife	Yes	Yes
<i>General Office</i>						
15	Jan. 24	Loretta M. Drummond.....	42	Sister	Yes	
17	Mar. 30	James A. Horne.....	40	Wife	Yes	Yes
36	Mar. 31	Thomas W. Sullivan.....	64	Wife	Yes	Yes
<i>Philadelphia Works</i>						
22	Mar. 16	Cosby H. Cochran.....	63	Wife	Yes	Yes
<i>International G.E. Co.</i>						
35	Apr. 19	James M. Glaster.....	56	Wife	Yes	Yes
<i>Incandescent Lamp Dept.</i>						
2	Mar. 31	Edward Plau.....	36	Wife	Yes	Yes
22	Apr. 2	Paul H. Jeannot.....	70	Daughter	Yes	Yes
Claims paid month of April, 1929.....			28	\$34,894.27	24	\$47,000
Claims paid previously reported, 1929.....			112	127,455.75	110	168,000
Total claims paid 4 months 1929.....			140	\$162,350.02	134	\$215,000

Disability Claims

Service Years	Date of Grant	Employees	Age	Add'l Ins.
<i>Schenectady Works</i>				
37	Apr. 10	Dietrich J. Luedemann.....	54	Yes
22	Apr. 16	Frederick Mathies.....	51	Yes
26	Apr. 23	John Zutkowski.....	51	Yes
<i>River Works</i>				
5	Apr. 9	John Bohan.....	32	Yes
<i>General Office</i>				
1	Apr. 8	Greta M. Saaf.....	19	Yes
<i>Central District</i>				
3	Apr. 11	William J. Sherrard.....	34	Yes
Disability claims granted April, 1929.....			6	\$9,500
Disability claims previously reported, 1929.....			15	23,500
Total claims granted 4 months 1929.....			21	33,000
Total Death and Disability Claims paid since Jan. 1, 1920.....				\$4,911,728

Charles A. Coffin Award Goes to El Paso Company

THE Charles A. Coffin Foundation Award, made annually to that central station company which has done most for the advancement of the electrical art, was awarded this year to the El Paso Electric Company of El Paso, Texas. The award was made at the annual convention of the National Electric Light Association, held this month at Atlantic City.

The award was made to the El Paso Electric Company because of its remarkable general success in rendering efficient service to its customers, in stimulating public good-will and in prosecuting an extremely far-sighted policy of improvement and expansion. In granting the award special notice was given to the fact that it has had unusual obstacles to surmount. It serves a territory which includes El Paso, Texas, and Juarez, Mexico, as its only considerable urban areas, and a rural territory extending 120 miles up and down the Rio Grande Valley. Half of its customers are Mexicans. The nearest city of any size comparable to El Paso is 600 miles away. The very isolation of this territory therefore means that much of the company's work is of a pioneering nature.

An excellent indication of the way in which this company has kept pace with others in more densely populated regions is the fact that despite ambitious programs of expansion and development the earning power of the company has steadily increased.

This company has left no stone unturned to stimulate the use of electricity in its territory. This it has done, first, by rendering service so excellent that every user will want more of it; second, by going actively into the business of selling electrical merchandise, on the principle that every piece of merchandise sold means more power purchased; third, by co-operating with architects, builders and contractors in order that they may appreciate fully the importance of adequate electrical facilities; and fourth, by investigating the possibilities of new uses for electricity. Many novel applications of electric light-

ing, for instance, have been found, such as the illumination of a football field at night.

This company has also made every effort to win the good-will of the public. It has assisted in promoting all civic enterprises launched for community development. It has co-operated with the Chamber of Commerce and other civic organizations. It has worked in perfect harmony with city and county authorities, and has earned the respect and friendship of the schools and newspapers for the spirit of fair play which has been its guiding policy in public relations.

This company has also done much for farm electrification. It realizes that one of the greatest fields of electricity's future usefulness is in the rural districts, and it has done everything in its power to stimulate interest in it. Long line extensions have been built to supply power for irrigation pumps. Farms, dairies, cotton gins, cotton seed oil mills and various other types of rural customers have been obtained, and even greater progress is predicted for the future.

Lastly, in its aggressive efforts to deserve public confidence, it has not forgotten its responsibilities to its employees. It has maintained, for instance, a remarkable interest in safety which has had fruit in the elimination of practically all accidents. Employees are encouraged in home study and given every opportunity for advancement. Through frequent meetings, dances and similar gatherings, a feeling of friendship has been built up among the employees. A benefit association entitles employees to free medical attention, hospitalization and medicines. The members also receive sick benefits and life insurance. Also, in emergency, employees are loaned money by the company without interest, to tide them over difficult times. The result of these and many other employees' activities has been to weld the personnel of the company into a group which has at heart the good of the company and of the public which it serves.

The El Paso Electric Company is the seventh company to receive the

Charles A. Coffin central station award. With the award goes a check for \$1000 to be placed in the treasury of the company's mutual benefit association.

Copper Mining

(Continued from page 3)

But it is estimated that there is still one billion tons of ore yet to be mined. One hundred and twenty million tons of waste must be removed to get it. After the ore has been removed from both sides of the canyon, it is planned to carry the operations downward about 900 ft. below the present "A" level. One might imagine that mining in such extensive proportions would produce wealth beyond even the dreams of Midas, but the ore is of a very low grade, averaging only nine-tenths of one per cent of copper.

Because of the unusual situation of the mine and the magnitude of the operations, the changeover from steam to electricity presented difficulties hitherto unencountered, but G-E engineers were able successfully to cope with them as is evidenced by the fact that after only three months of electrification everything was running smoothly.

Accident Contest Report

THE interplant accident prevention contest is getting very close in spots, according to the report of the committee for April. In March, Bridgeport led Baltimore by 0.005. During April Baltimore passed Bridgeport and is now leading by 0.003. Another close contest is being staged between Fort Wayne and Erie, with Erie leading by 0.44.

Following is the standing of the plants. An asterisk denotes improvement over previous month.

DIVISION 1	DIVISION 2
New Kensington	*Pittsfield
York	*Erie
West Lynn	*Fort Wayne
Baltimore	*Philadelphia
Bridgeport	*ALL PLANTS
*Bloomfield	*River Works
Oakland	Schenectady

The Question of "Stomach Trouble"

When the Stomach Acts Up It May Be Something Else That Really Causes the Trouble

By DR. H. W. GARTON, *Fort Wayne Works Physician*

IN previous articles I have shown that respiratory diseases head the list of those which cause lost time in industry—that they are responsible for 40 to 50 per cent of all absence, to say nothing of the misery they cause those who are not sick enough to quit work. Next in line as a cause of lost time comes the group designated "digestive diseases."

Just as the term respiratory diseases includes a wide variety of conditions, so does the group of diseases of the digestive system. The term "stomach trouble" is heard many times a day, and the individual who says it really thinks he has stomach trouble, because his symptoms point to that fact. However, only one out of five cases where the stomach is acting up actually have organic disease of the stomach. In other words, there are many other conditions which give rise to "stomach symptoms" and lead the victim astray. Thus we may have symptoms of digestive disorder resulting from:

1. Reflex disorders (as from adhesions, appendicitis, gall bladder disorders);
2. From general diseases (as from disorders of the heart, kidneys, lung);
3. From functional disorders, in which stomach symptoms are prominent in a group of other symptoms none of which seem to depend on any demonstrable disease condition.

In fact, the stomach seems to be a sort of alarm bell, sounding a loud warning for diseases in organs far removed from it, and often failing to give warning when it is actually diseased itself. One can conclude from this that when a patient presents himself with "stomach trouble," the doctor has a real detective's job to find out what is the trouble, and he may unearth anything from abscessed teeth to cancer. The difficulty of tracing down "stomach trouble" explains the

shelves full of remedies for the relief of stomach disorders, gas, flatulence, sour stomach, coated tongue, constipation and what-not. Many of them undoubtedly do relieve symptoms; but no proprietary remedy has yet been designed that can automatically diagnose and correct a condition that may be far removed from the stomach, even though it may temporarily relieve distress. Nor is this the fault of the particular remedy in question.

In spite of its occasional failings, the stomach-intestinal system is probably the most efficient automatic conveyor system ever devised. It is at the mercy of its owner for the raw material it receives. This raw material it must tear down and convert into a form which will provide heat, energy and repair material for the most delicate mechanism in existence, the human body. And often it does this from raw material that is lacking both quantity and quality. It is extremely fortunate for us that our digestive systems can produce such good results under such adverse conditions. The public mind has a hard job finding out just what constitutes good food, and just what the facts are regarding dieting and stomach medication.

Listen in tomorrow night at 7:15 o'clock, eastern daylight saving time, for a talk by Harry F. Guggenheim, of the Daniel Guggenheim Fund for the Promotion of Aeronautics on "Safety in the Air," broadcast over the National Broadcasting Company's nationwide network. This is one of a series of safety talks sponsored by the National Safety Council and the National Broadcasting Company. There are three more talks scheduled for this season on June 29, July 6 and July 13 at the same hour.



What with all the warnings to reach for this instead of that, to eat more sugar, to eat less sugar, to add 30 pounds weight in 30 days by a newly discovered method, to reduce an equal amount in a similar length of time by still another method, it is a wonder anybody ever eats normally at all. The business of telling people what to eat, and devising trick foods for the relief of nearly everything under the sun, is a vast field for exploitation, and it is not without its ardent workers. The human stomach has probably made (as well as ruined) as many millionaires as has Wall Street.

Provided one has a common, everyday working knowledge of the physiology of the digestive system, and a general knowledge of the food requirements of the human body, the less one thinks about matters of diet and digestion the better off one will be. This applies of course, only to persons in good health, because there are of course, disease conditions in which diet is all-important. But it is better to leave such cases to the doctor than to try to solve them oneself.

The joy of eating should not be spoiled by too much attempt at cold scientific calculation of calories and vitamins.

GIRLS' SECTION

Delegates Chosen for Camp Gray Conference

MARY Thomas, Bldg. 4-3, and Ruth Holle, Bldg. 17-2, will represent the Elex Club, and Irene Meyers, Bldg. 19-5, will represent the Federation of Industrial Clubs, at the annual industrial conference of the Camp Gray area to be held at Saugatuck, Mich., July 2 to 12. From 250 to 300 delegates from Ohio, Indiana, Illinois, Michigan, Wisconsin and Missouri attend this conference and get together to discuss club activities and various problems. Besides taking part in the discussion groups, the delegates also serve on various committees in which they exchange ideas and learn new ways of making their clubs better. In addition to the serious part of the conference the girls also have recreation in the form of swimming, hiking, games and parties.

Last year Louise Hilger, Bldg. 18-1, was elected secretary of the Camp Gray area. Irene Meyers was chosen delegate by the Federation at the last meeting held at the "Y" on May 22. Twenty-five Elex members were present to take part in the election. Games and dancing were enjoyed afterward.

The Elex delegates were chosen at the last club meeting for the year held in Bldg. 16-2 on May 15. Special arrangements were made for this meeting, and 100 girls attended. Supper was served in regular family dinner style with everything in dishes on the table. The tables were covered with red and white and blue and white checked, tablecloths and the menu consisted of potatoes cooked in their jackets, pig's knuckles, beans, green onions, pickles, bread and butter, cake and coffee, which certainly pleased everyone. After supper Marie Blough, Esther Moll and Louise Hilger made speeches in behalf of the six candidates: Marie for Louise Lawson and Mary Thomas; Esther for Ruth Holle and Marie Smith; and Louise for Irene Stier and Irmagarde Gehle. Voting by ballot resulted in the selection of



Elex Delegates to Camp Gray Conference.
Left to right: Mary Thomas, Irene Meyers,
Ruth Holle.

Mary Thomas and Ruth Holle. Following this the members enjoyed dancing old-fashioned dances to music furnished by Harry Chambers, the blind musician, and also played old-fashioned games.

Announcement was made of the club events for the summer months. The first is the week-end at Camp Yarnelle, June 8-9. In July a Saturday afternoon picnic will be held at Stoner's Mill, and in August a Saturday afternoon outing at Zimmerman's Pleasant View Cottage on the St. Joe River. The exact date of these affairs will be posted on the bulletin board.

Mother-Daughter Banquet

One of the most delightful affairs ever sponsored by the club was the dinner for all G-E girls and their mothers, and all G-E mothers and their daughters, given in Bldg. 16-2 on May 8. After adjourning to the park to have their picture taken, the guests returned to 6-2, where supper was served in a bower of pink and white, beautifully arranged by Marie Blough and her committee. On the tables was trailing southern smilax and at intervals were tall pink candles tied with green bows. Each table had

a centerpiece of pink roses, sweet peas, snapdragons, and tulips. A green or a pink handkerchief cleverly fashioned to resemble a corsage was at each mother's place.

The G-E Club orchestra furnished music during the dinner. At its conclusion, a toast to mothers was given by Marie Blough. A response by Mrs. Harry Hogan (who was unable to be present) was read by Hilda Walda, president of the Elex Club, who presided. A very entertaining program, which hugely delighted the audience, then followed.

Several song and dance numbers were given by the Half-a-dozen Cousins in picturesque costume: Nancy, Lucy and Elizabeth Anne Porter, Betty Yarnelle, Mary Weaver, and Ada Card. Mary Louise Truelove, a pupil of Violet Reinewald, gave an eccentric toe dance, and Bobby Witzegreuter, also her pupil, gave a buck and wing dance and several songs which were greatly enjoyed. The readings by Melissa Jane and Buddy Wickliffe, from the Phyllis Wheatly Center, was very much appreciated. James Poinsett amused his audience by telling them "How My Father Met My Mother," and gave several other readings.

Credit is due Irene Meyers, chairman, and her program committee for preparing such a fine program.

Seventy-five mothers and daughters were present, and also the following specially invited guests: Mrs. E. A. Barnes, Mrs. C. H. Matson, Mrs. Walter Kent and Mrs. F. H. Reeves and E. Anne Amison, industrial secretaries at the Y. W. C. A.

Former Employee Honored

HAZEL Zitzman was chosen valedictorian of the graduating class of nurses from the Lutheran Hospital this spring and was awarded a gold medal. Miss



Mothers and Daughters

Zitzman had an average of 97.5 per cent in her studies during the three-year course. Miss Zitzman was once in the Meter Dept. at the Broadway Plant. She left in August, 1926, to take up the course in nurses' training.

Helen Tieman Celebrates Birthday

THAT some of our girls still have birthdays is proved by the fact that Helen Tieman, Blue Print Dept., Bldg. 18-5, entertained a group of friends at the home of her parents, Mr. and Mrs. H. W. Tieman, 1201 Wall Street, celebrating her birthday a while ago. During the evening the girls played progressive games and Gabrielle Grandchamp, Charlotte Roehns and Martha Belschner were fortunate in winning lovely prizes. Then the girls were invited into the dining room and seated around a long table where a delicious lunch was served by Mrs. Tieman assisted by Hulda Tieman. The color scheme in the table decorations was yellow and white. A large white birthday cake surrounded by yellow candles (we won't say how many) made an effective centerpiece and yellow nut cups marked the places of the guests. Helen received a host of lovely gifts from her friends: Gabrielle Grandchamp, Charlotte Roehns, Martha Belschner, Martha Ramel, Margaret Walde, Edith Mennewisch, Dorothy Gollmer and Hulda Tieman.

Miss Florence Reutebush Entertains

ON May 4, Florence Reutebush, Meter Dept., Bldg. 19-5, entertained a group of friends

at her country home near Logansport. The occasion was Florence's birthday and her friends presented her a number of lovely gifts. Music, dancing and indoor games were enjoyed by the group and at the noon hour a sumptuous dinner was served by Miss Reutebush's mother, Mrs. James Gule. A large birthday cake surrounded by candles made a fitting centerpiece, and bouquets of flowers helped make the table more lovely.

Present, besides Miss Reutebush, were Ruth Lindeman, Dora Mae Peffley, Alma Beaver, Esther Pape, Edith Jones, Vera Pancake, Wilma Buuck and Irene Meyers from the Meter Dept., and Lillian Burgess, Pauline Eggart, Oscar Monaplease and Walter Reutebush, all from Logansport.

Marie Blough Takes Part in Shakespearean Evening

MARIE Blough, personnel worker in the Radio Transformer Dept., Bldg. 26-2, has been studying dramatics at the DeSilva School of Oratory for the past three years and has made very

good progress. In the Shakespearean evening given recently by the pupils of this school, Miss Blough took the part of Juliet in excerpts from "Romeo and Juliet." It will also be remembered that Miss Blough played the part of the duchess in the musical comedy, "O, Ain't Love Grand," presented early in the spring by the G-E Club.

Mica and Insulating Dept. Girls Surprise Co-worker

ON April 29 girls of the Mica and Insulation Dept., Bldg. 12-1, surprised Leona Farra, one of their co-workers, by gathering at her home at 1002 Grandview Blvd. to help her celebrate her birthday. The girls played bunco and danced and later in the evening a luncheon was served. Miss Ferra was presented an electric percolator and a lovely sugar and creamer, a gift from the girls.

Present were: the honor guest, Mrs. Matilda Glenn, Della Morriff, Marie Cramer, Zola Johnson, Anna Yearling, Virginia Struder, Evelyn Walters, Clara Grodrian, Clara Gephardt, Loretta Gerardot, Valeria Murrey, Maggie Acer, Marjorie Dailey, Leona Shaw, Laura Black, Minnie Hewes, Vera Springer, Goldie Harshbarger, Minnie Bibbler, Luella Stark and Dorothy Cessna.

Shower for Mica and Insulation Dept. Bride

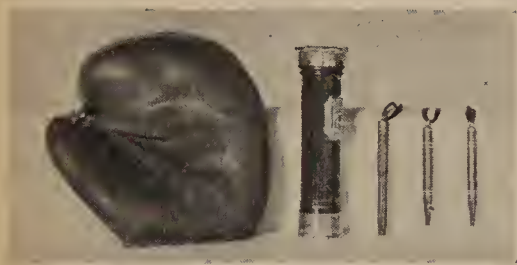
A GROUP of girls in the Mica and Insulation Dept., Bldg. 12-1, honored Mrs. Matilda Glenn, nee Matilda Jensen, with a miscellaneous shower on April 26. The party was held at the home of



Meter Dept. Girls on Outing

(Continued on page 16)

JUNIORS' PAGE



The Prizes

DEAR G-E JUNIORS:

I know you are anxious to know who won the big prizes, so I will tell you about them first. This year there were three girls who sent in correct answers to every one of our puzzles and two boys who sent in correct answers to all but one of the puzzles. The girls are Ruth Swank at Fort Wayne, and Dorothy Miller and Catherine Jackson at Decatur. The boys are Albert and Elmar Devaux. Ruth and Catherine each received an Eversharp pencil, but to Dorothy, who was one of the prize winners last year and received an Eversharp pencil, we gave a fountain pen. Elmar received a baseball mitt and Albert, who won a baseball glove last year, received an Ever-Ready focusing flashlight.

Ruth Swank's father, Ira Swank, works in Bldg. 20-1 at the Broadway plant, and Elmar and Albert Devaux are the sons of Jesse Devaux, who works in Bldg. 4-1 at the main plant. Dorothy Miller's father is Charles Miller, who works in the Assembly Dept. at Decatur, and Catherine Jackson's stepfather, Hubert Cochran, works in the Automatic Dept. at Decatur.

Besides these five Juniors who won the prizes we had some very good records. Dorothea Eylenberg, Dorothy Gebhart, Helen Hickman, Berniece Moore, Ruth Rose, Elizabeth Fuhrman and Kenneth Nyffeler, all had done well but did not have quite enough correct answers to win this year's prize. The way to win a big prize is to solve each puzzle and send in the solution. Perhaps some Juniors who had good records but did not win a big prize will try just a little harder this year.

The correct solution to the flower puzzle in the May issue is: 1. Bluebell, 2. Iris, 3. Tulips, 4. Bleeding-heart, 5. Buttercup, 6. Sweet William. Prizes were sent to Eleen McNulty, Stanley Meyer, Eugene Bahr, Dorothea Prange and Wallace Bryan, at Fort Wayne, and Romaine and Ruth Raudebush, at Decatur. Besides the answers from the prize winners I received nice letters from Arno Schelper, Dorothy Wyss, Eugene Wyss, Helen Liddy, Donald Kaiser, Letha Click, Berniece Moore, Germaine Rondot, Maxine Brand, Ralph Latham, Norman W. Stoller, Ralph Crall, Elwin Klingman, Ruth Rose, Helen Hickman, Dorothy Gebhart, Robert James Gebhart and Doris Gettys, at Fort Wayne, and Catherine Murphy, Elizabeth Fuhrman, Virginia Beery, Jeanette Beery and Kenneth Nyffeler at Decatur. Some of these are new G-E Juniors. I was very glad to hear from them and hope they will work the puzzles each month.

Now that vacation time is here, suppose you tell me how you are spending your vacation, when you send in your answers to this month's puzzle. Perhaps you will have some snapshots taken of yourself and your little brothers and sisters, or of yourself alone, or with your pets, and if you do, I should like it



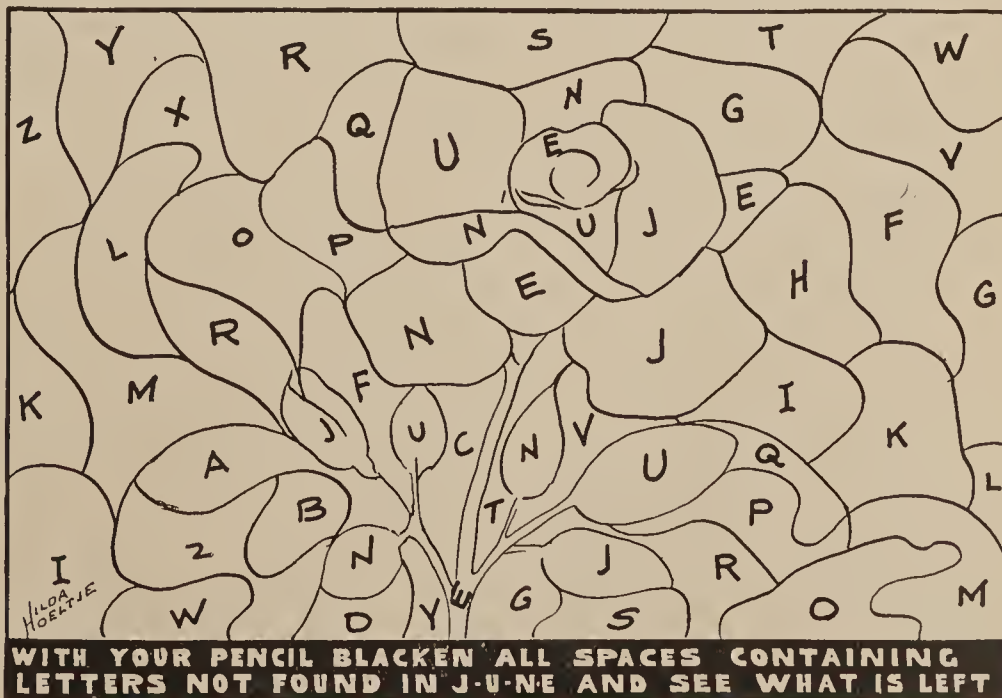
Catherine Jackson and Dorothy Miller
Decatur Prize Winners

very much if you would loan me a good one to run on the Juniors' page.

I am wondering how many of you have birthdays in July. Romaine Raudebush was 10 years old on June 1. Albert Devaux celebrated his birthday June 16 and Ruth Swank's birthday is today. Albert and Ruth are both 11 years old.

And now for this month's puzzle! To solve it take your pencil and blacken all the spaces containing the letters not found in the word JUNE, and then you will have a picture of something that you will recognize. Write and tell me what this picture represents, for that is the answer to the puzzle.

Remember, now is the time to start working for the big prizes which we will give away next June,





Ft. Wayne Junior Prize Winners: Elmar Devaux, Ruth Swank, Albert Devaux.

so if you will not have passed your 13th birthday before June 1, 1930, begin with this puzzle and see how many of them you can work out before next June. I shall be looking for a lot of letters.

Very sincerely,

Jill

Girls' Section

(Continued from page 14)

Evelyn Aichele on Piqua Ave. During the evening the guests played five hundred and later a delicious lunch was served.

The group included, besides the honor guest, Luella Stark, Minnie Hewes, Jessie Dice, Dorothy Cessna, Zola Johnson, Audrey Baker, Maggie Slagle, Valeria Murrey, Berniece Thompson, Harriet Aichele and Loretta Slagle.

Weddings

Brown-Masbaum

Jeanette Masbaum, Small Motor Dept., Bldg. 4-1, and Charles Brown, Motor Dept., Bldg. 17-2, were united in marriage on May 7. The ceremony was performed by Rev. Henry Horstman at St. Andrew's Catholic Church. The bride was attended by her sister, Marie Masbaum, as maid of honor, and her twin sisters, Katherine and Mar-

garet, as bridesmaids. Louis Brown, brother of the groom, was best man, and Victor Dininger served as groomsman. Leonard Sordelet and Waldon Shackelford were ushers. Immediately following the ceremony a wedding breakfast was served at the home of the bride's parents, Mr. and Mrs. Henry Masbaum, 2734 Reynolds St. A reception was held in the afternoon, after which the couple left on a ten days' wedding trip. Mr. and Mrs. Brown are now temporarily at home at 1025 Tennessee Ave.

Hendricks-Bahde

The marriage of Mildred Bahde and D. Wayne Hendricks took place May 11 at the parsonage of Emmanuel Lutheran Church, Rev. Wm. E. Moll officiating. Marceil Thomas and George Michels were the attendants. Following the ceremony a wedding dinner was served at the home of the bride's parents, Mr. and Mrs. Herman F. Bahde, of 3923 So. Lafayette St. Mrs. Hendricks is in the Switchgear Engineering Office, Bldg. 16-3, and Mr. Hendricks is a draftsman in the Meter Dept., Bldg. 19-3. The young couple are residing at 1006 Stophlet St.

Dennison-Rex

On May 14 the marriage of Pluma Rex and Ralph C. Dennison was solemnized by Rev. C. W. Baer at the home of the bride's parents, Mr. and Mrs. R. R. Rex, 1516 East Wayne St. Martha Rex was bridesmaid and the groom was attended by his brother, Milton Dennison, as best man. A wedding dinner was served following the ceremony, after which the young couple left on a short motor trip. Mr. and Mrs. Dennison are now residing at 1133 W. Jefferson St. Mrs. Dennison is in the Small Motor Office, Bldg. 3-3. Mr. Dennison is the son of J. R. Dennison, Tampa, Fla., and is in the Tool Division, Bldg. 17-4.

Manecke-Grandlund

On May 18 Hildur Grandlund, Frac. Hp. Motor Sales Office, Bldg. 18-3, and Denton Manecke were united in marriage. The ceremony was performed by Rev. E. J. Boerger in the parsonage of St. John's Evangelical Lutheran Church. Mr. and Mrs. Hueston Carver were the only attendants of the couple. After the ceremony a wedding dinner was served at the home of the bride's parents, Mr.

and Mrs. A. Granlund, 1930 Hensch St. Mr. and Mrs. Manecke are residing in an apartment on Wells Street. Mr. Manecke was recently graduated from the Apprentice School where he had taken the draftsman's course and is now employed in the Drafting Dept., Bldg. 18-5.

Braden-Dwire

Announcement has been made of the marriage of Louise Kathryn Dwire, daughter of Mr. and Mrs. William Dwire of Conboy, Ohio, and Harry Darwin Braden, son of Mr. and Mrs. Jesse S. Braden of 1218 Home Ave., which took place at the home of the bride's parents, Sunday noon, May 19. The double ring service was read by Rev. Howard Tomlinson, a cousin of the bride, in the presence of a number of relatives.

Mr. Braden is employed as a draftsman in the Meter Dept., Bldg. 19-5, and Mrs. Braden has been employed at the Dudlo Mfg. Co. for the past three years.

Hawkins-Thacker

Hona Thacker, a leading operator in the Small Motor Dept., Bldg. 4-1, and Frank Hawkins were married at 6:00 o'clock Saturday evening, May 25. The ceremony was performed by Rev. Ralph R. Sanks in the Methodist church at New Haven, Indiana.

The newly wedded couple took a short motor trip through Kentucky and Tennessee over Memorial Day and the week-end following. Mr. Hawkins is employed at the International Harvester Co.

I. H. Freeman Addresses Cost Accountants

THE tenth international conference of the National Association of Cost Accountants, held at West Baden Springs, June 17 to 20, was addressed by I. H. Freeman, supervisor of our Wage Rate and Employment Section. The subject of his talk was, "Incentives for Key Men and Supervision." For approximately ten years Mr. Freeman has had intimate contact with practical problems in wage rates and wage incentive work and in his talk he described the system in effect in our Plants, which enables our supervisors to have a daily check on the progress of their departments and makes it worth while for these supervisors to keep their departments at the highest point of operating efficiency. J. W. Crise, Works accountant, was also present at this conference during the last two days.

**Earn Spending Money
Through the
Suggestion System**

Absent Employees

Roy Brown, Transportation Dept., is a patient at the St. Joseph Hospital, recovering from an operation. He is planning on leaving the hospital soon for his home, 1811 Edsall Ave.

Wannetah Miller, Transformer Dept., Bldg. 26-2, is at the St. Joseph Hospital. She expects to leave soon for her home, 636 W. Creighton Ave.

Melvin Babcock, Meter Dept., Bldg. 26-4, who is recovering from an operation, expects to return to work soon.

Mrs. Ruth Baker, Meter Dept., Bldg. 19-5, is recovering nicely from her operation and expects to return soon.

Howard Coverdale, Meter Dept., Bldg. 26-4, has been ill for several months. We hope he soon may regain his health.

Maurice Geary, Small Motor Dept., Bldg. 4-4, who is a patient at the St. Joseph Hospital because of injuries received in a motorcycle accident, hopes to leave soon.

Alice Gerber, Small Motor Dept., Bldg. 17-2, is at her home on the Lincoln Highway recovering from an operation. She reports that she is feeling much better.

Louis Gernand, Apparatus Dept., Bldg. 19-3, is now at home recovering from injuries received in an accident. He is recovering nicely and soon should be back.

Wilmer Golden, General Service Division, is at his home recovering from an operation. His progress toward recovery has been rapid and he should soon resume his duties.

Beulah Haynes, Small Motor Dept., Bldg. 17-2, is now at her home on Orchard Ave. recovering from a recent operation.

Glendola Heckber, Transformer Dept., Bldg. 26-2, is at home, 1529 Andrews St., recovering from an operation.

Agnes Herr, Transformer Dept., Bldg. 26-2, who underwent an operation, has gone to her home at Lafayette for a while.

Walter Judt, Meter Dept., has been away from work for several weeks recovering from an operation.

Stella Moorman, Transformer Dept., Bldg. 26-2, is recovering nicely and is planning on returning shortly.

Jessie Ross, Small Motor Dept., Bldg. 17-3, has been at the Isolation Hospital with diphtheria. She is now recovering and we hope soon to see her.

Olene Shady, Small Motor Dept., Bldg. 17-2, is now at the home of her father recovering from an operation. She has made remarkable progress toward recovering.

Edna Welch, Order and Stores Dept., Bldg. 18-4, is home, 225 E. Woodland Ave., recovering from an operation. She reports that she is improving nicely and will probably return soon.

Athletics

G-E Club Presents Final Boxing Show

BENNY Ray, a popular feather-weight, scored his third knock-out in as many starts when he stopped Jack Willis in the second round of the feature ten-round bout on the final card of the season. One has to pay close attention to Benny, for he may be boxing easily using a few hooks or jabs; but suddenly he shoots out a hard right that doesn't travel far, and it was this right cross that put Willis down for a nine count. He got up and tried to keep going, but Ray connected again and he was out to stay.

Willis was the type that can take plenty of punishment, and the first round was probably the

Ralph Wilkerson, Transportation Dept., is now at his home on Swinney Ave., recovering from a serious operation.

Henry Witte, Meter Dept., Bldg. 26-4, has been moved to his home at 2218 East Brook Drive following an operation.

Henry Woten, Transformer Dept., Bldg. 26-2, who has been absent from work for several weeks, has gone to his home at Lima to recuperate.

Bret Young, Transformer Manufacturing and Standards Dept., has gone to his home at Garrett, to regain his strength following an attack of the mumps and an operation for appendicitis.

Julian Franks, Toolmaking Dept., Bldg. 26-5, is ill at his home at 451 E. Dewald St. We hope that he will soon recover.

best exhibition of the many staged at these frequent shows, with the two fighters trading punches evenly.

Frankie Murphy, featured on former programs, was matched with Tip Callender for the semi-final. Callender had only a fair amount of boxing ability and no punch to speak of, but he managed to stay for ten rounds. Murphy won by a good margin but the fans were enthusiastic over Callender's efforts to keep going. He was groggy in the third, but fought on, and cheered by the crowd, he kept fighting round after round until he not only stayed the distance but was actually holding his own in the last two rounds.

Two fast preliminaries preceded the main bouts, and featured Harvey Lees and Chick Wagner, local employees and members of Nick Little's boxing class. Lees knocked out Jackie Lyton, of Detroit, in the fifth. Lyton was superior to Lees as a boxer, but Lees absorbed the punches easier.

Wagner made a strong finish to gain the advantage over Philip Lisner, of Detroit. Lisner had the first half of the fight, keeping Wagner back with his left, but Wagner kept going in, and beat Lisner in the closing rounds when he had the Detroit fighter hanging on.

Charlie Maxwell, of Lima, refereed the card, which was witnessed by a good crowd.

G-E Man Wins Rifle Match

JOHN Foster Houck, Meter Cost Section, Bldg. 19-5, won the county rifle championship in an open match staged at the National Guard armory by the Fort Wayne Rifle and Revolver Club on May 5. The firing was from four positions: prone, sitting, kneeling and off-hand, at N.R.A. targets, range 50 ft. and 22-calibre rifles with iron sights were used. Houck's score was 182 out of a possible 200. Twenty of Allen county's crack shots participated in this match and there were several visitors from out of the county

We Want Pictures!

Fishing season is open, and a lot of anglers are hankering to tie up with the big ones that got away last summer. After you've caught a prize-winner, or a nice string, don't forget to snap a picture of it. Have an extra print made—write your name and other necessary information on the back of the picture—send it to Ralph Perkins, Bldg. 6-2, for the NEWS.

who fired for score only. R. Grove, Bldg. 20-2, scored 173; Karl Lagerlof, Bldg. 19-2, 172; Gertram Girardot, Bldg. 10-2, 171; M. A. Wells, Bldg. 10-2, 131. With these five contestants we were well represented in the match.

Inter-department Bowling League

Transformer took league honors by defeating Meter team in the roll-off for championship title. Harkey, of Transformer, scored a total of 659 pins for team honors. Auer, of Meter, was high individual with 589.

Scores:

TRANSFORMER			
Schlup.....	161	189	211
Voorhees.....	170	152	190
Tagtmeyer.....	200	145	194
Harkey.....	225	213	221
Adamske.....	164	185	193
Totals.....	920	884	1009—2813

METER			
Auer.....	191	207	191
C. Rump.....	178	171	171
Allen.....	162	189	203
V. Rump.....	213	146	168
Knoll.....	180	177	207
Totals.....	924	890	940—2754

Wednesday Night Volleyball

A four-team league for players wanting to continue volleyball after the close of the regular schedule, has completed its schedule of two rounds of games. The games were started at 7:30 instead of the usual 5:30 after-work hour, and the sustained interest of the players denoted that a league of this kind is popular. The Motor team, captained by Emmett Mills, took league honors by winning all of their games. Walchle's Refrigerators and the Office crew, headed by Vaught, finished with percentages of .500 and .333. Al Gollmer, popular inter-department volleyball manager, assembled a group of young enthusiasts for his leaguers' team, and completed with a .167 percentage.

Industrial Baseball League

The G-E entry in the city Y.M.C.A. league is playing great ball and Manager Gamec predicts that they will go through for titular honors. Hoopingardner is pitching in mid-season form, and is being given good support. The wrecking crew, headed by Kestner and Enders, is piling up plenty of scores and making the games interesting for Saturday afternoon fans.

Girls' Baseball Team

The girls coming out for baseball give promise of another championship team. Coach Leon Enderle, and assistant coach Norbert Gase, are putting the recruits through some strenuous practice, and look forward to a season of home runs. The following rookies are eligible for the team: Helen Oser, Louise Craig, Anna Scott, Mary Armstrong, Edna Hurst, Mercedes Grimm, Dot Coles, Alma Enderle, Stella Deme-troff, Rachel Goings, Ruth Reynolds, Ruth Holle, Marie Fowler, Cecil Kies,

Helen Wilson and Hilda Walda. Practice period is scheduled for Tuesday and Thursday evenings at Swinney Park, and a stiff schedule of games is now being made up.

Indoor Baseball League

Seven teams are entered and playing Wednesday evening games under modified rules on outdoor diamonds at the soccer field. Under the management of Paul Berghorn, the playground game is gaining popularity with the employees and it is one of the principal inter-department activities.

Present league standing:

	Won	Lost	P.C.
Main Office.....	3	1	.750
Apparatus.....	3	1	.750
G-E Squares.....	2	1	.667
Payroll.....	2	1	.667
Apprentice.....	1	2	.333
D. C. Drafting.....	0	2	.000
Meter.....	0	3	.000

Inter-department Baseball League

Inclement weather has postponed a number of league contests but with a fair break the Tuesday-Thursday twilight games will continue with increasing enthusiasm. The Taylor Street diamonds have been put in fine shape, and with the league line-ups open to all employees, the games are more interesting. Ray Lindemuth and Art Menewisch officiate. Comfortable bleacher seats are provided at each of the diamonds. The standing of the league follows:

	Won	Lost	P.C.
Apparatus.....	2	0	1.000
G-E Squares.....	2	0	1.000
Apprentice.....	1	1	.500
General Service.....	1	1	.500
Small Motor.....	1	1	.500
Winter Street.....	1	1	.500
Motor Veterans.....	0	2	.000
Transformer.....		2	.000

Next Tuesday evening, Small Motor and Apprentice meet on No. 1 diamond and Transformer and the Squares are playing on No. 2.

Tennis Players Active

The G-E tennis courts were "officially" opened on May 27, and are proving very popular with the followers of this sport. On Monday, Wednesday and Thursday evenings the courts are reserved for men. On Saturdays, Sundays and holidays the courts are open to all employees—with reservations for one hour's play. Reservations can be made three days in advance of playing time, and keys secured at the G-E Club. Players using courts for last period should put nets away and return the key to the Club desk. Plans are now being made for the annual tennis tournament, open to all employees, and interested players are requested to communicate with Eric Gawehn, phone 220, Bldg. 19-2. A tennis team, under the management of George Deirstein, has been entered in the city Y.M.C.A. Industrial League, and promises to make a good showing.

Second Annual G-E Bowling Tournament

The second annual classic, open to all G-E bowlers, proved most successful

and a number of good scores were rolled by the prize winners.

Final standings in each of the events follow:

Five Men	Captain	Total	Prizes
Hot Peppers.....	T. Schlup...	2608	\$15.00
Vibrators.....	G. Luedeman	2603	10.00
Meter No. 12.....	A. Snodgrass	2580	9.00
Meter.....	A. Knoll...	2570	8.00
RSS Motor.....	L. Joseph...	2564	6.00
Meter No. 6.....	H. Haberkorn	2558	6.00
Meter No. 5.....	C. Hueber...	2552	5.00
Decatur Boosters....	W. Lester...	2542	5.00
Transformer.....	C. Tagtmeyer	2527	4.00
D-C Engineers.....	L. Wallace...	2525	4.00
Spec. Machine.....	H. Adamske	2514	4.00
Ice Machine.....	J. Schwartz...	2506	3.00
Meter No. 7.....	W. Bushing...	2493	3.00
Meter No. 4.....	D. Voorhees	2471	3.00
Punch Press, Decatur	G. Meyers...	2462	2.50

High Team, one game, Ice Machine	958	\$2.50
High Team, one game, Accounting..	890	2.50

Two Men	Total	Prizes
Bryan-Williams.....	1132	8.00
Ponsot-Ponsot.....	1127	6.00
Wyss-Schlup.....	1122	5.00
Johnson-Bloomberg.....	1121	5.00
Cox-Leitz.....	1120	4.00
Melching-Einseidel.....	1114	4.00
Erne-Johnson.....	1101	4.00
Koch-E. Waldschmidt.....	1087	3.00
Doehrmann-Doehrmann.....	1082	3.00
Busching-Geisler.....	1077	3.00
Wagner-Huber.....	1066	3.00
Starke-Borchelt.....	1059	2.00
Teders-Adamske.....	1057	2.00
Hueber-Schafenacker.....	1054	2.00
Joseph-Nahrwald.....	1053	2.00
Zollinger-Laisure.....	1052	2.00
Barrick-Kammier.....	1050	1.00
Glusenkamp-Quinn.....	1047	1.00
Schaffer-Schaffer.....	1047	1.00
Schoenherr-Jackson.....	1046	1.00

HIGH TWO MEN, ONE GAME

Erne-Johnson.....	412	1.00
Koch-E. Waldschmidt.....	412	1.00

HIGH TWO MEN, ONE GAME, OUTSIDE OF PRIZE MONEY		
Buckles-Hendricks.....		\$2.00

SINGLES, CLASS A

C. Lonigran.....	673	5.00
T. Schlup.....	634	3.00
M. Einsiedel.....	633	2.00
O. Schelper.....	627	2.00
W. Doehrmann.....	620	1.50
G. Luedeman.....	619	1.00
C. Auer.....	614	1.00
E. Reese.....	600	1.00
H. Franke.....	591	1.00
F. Kopp.....	585	1.00

CLASS B

G. Kaade.....	615	5.00
W. Hoppe.....	592	4.00
W. Starke.....	559	3.00
Herney.....	543	2.00
H. Spath.....	542	2.00
C. Saaf.....	541	2.00
C. Barrick.....	538	1.50
C. Kronmiller.....	537	1.50
P. Johnson.....	533	1.00
R. Heinley.....	531	1.00

CLASS C

G. Hartman.....	576	4.00
W. Caston.....	560	2.00
Moellerring.....	525	2.00
Williams.....	513	1.00
McColloch.....	511	1.00

ALL EVENTS, CLASS A

T. Schlup.....	1826	3.00
C. Lonegran.....	1799	1.00
F. Zurcher.....	1743	1.00

CLASS B

H. Koch.....	1639	3.00
E. Waldschmidt.....	1585	1.00
R. Rose.....	1566	1.00

CLASS C		
	Total	Prizes
G. Hartman.....	1535	\$3.00
W. Caston.....	1512	1.00
Williams.....	1496	1.00

HIGH INDIVIDUAL SCORE, ONE GAME FOR TOURNAMENT

Class A. C. Lonegran.....	277	2.00
Class B. R. Rose.....	248	2.00
Class C. E. Braun.....	246	2.00

Girls' Tennis Class

If you want to learn to play tennis this season in the G-E tennis class, you will have to get busy. Classes have been in progress for six weeks, but there is still time for you to come out for class if you do it now. It does not cost you a cent and you will have lots of fun.

The class is held every Tuesday (unless the ground is too wet) at the G-E Club courts on Taylor Street from 5:30 to 7:00 p.m. Meet at the Recreational Bldg. at 5:15.

Friday is also girls' night on the tennis courts, but there will not always be an instructor present. On Fridays get the key for the courts at the G-E Club, telephone 742.

The girls are very fortunate in getting two nights on the tennis courts, and it is hoped that enough girls will come out and play so that the courts will always be filled with girls on Tuesdays and Fridays. The courts are the best in town.

On Saturdays, Sundays and holidays the tennis courts are open to both men and girls.

If you want to join the class, send your name, building and floor and telephone number immediately to Esther Moll, Bldg. 21, telephone 563.

The following girls have been attending class regularly and are making excellent progress for so short a time: Margaret Sappington, 18-4; Genevieve Lothamer, 18-4; Ethel Klopfenstein, 17-2; Esther Prowant, 18-2; and Florence Brown Wolverton, 19-4. Others enrolled in the class who have not attended so regularly but who are promising tennis players are: Helen Dammeyer, 26-2; Hazel Newport, 26-1; Maxine McAtee, 4-2; Henrietta Hohman, 21; Hilda Miller, 26-2; Tillie Yeske, 19-4; Alta Ruppert, 17-2; Nellie Jump, 17-2; Maude Ehrhardt, 4-4; Mary Ulrich, 4-4, and Lucile Vance, 21. The following girls from the Transformer Dept. have announced their intention of joining the class: Vanessa Brieman, Georgia Nickols, Elsie Davis, Ruth Hawk, Laura Franks, Olive Berkshire, Ada Goff and Bessie Chapman.

Florence Brown Wolverton has also helped to teach the class.

Golf Lessons for Girls

Are you taking advantage of the opportunity to learn to play golf? Sam Newlin, vice president of the G-E Club, gives instruction in person every Monday and Wednesday noon. The girls meet in the vestibule of the Recreational Building at 12 o'clock. This is the kind of instruction that you pay lots of perfectly good dollars for if you get it down town. If you want to learn to play golf, be sure to



Nick Little, Bldg. 7-2 G-E Club
Boxing Coach

start next Monday. You do not have to bring equipment of any kind. The equipment is furnished.

The following girls have been attending the classes regularly: Annette Bauman, 21; Cleora Regenauer, 18-1; Virginia Althouse, 18-2; Margaret Sappington, 18-4; Genevieve Lothamer, 18-4, and Agnes Schott, 18-4. They are making good progress under the tutelage of their most able teacher. Others who have attended the classes from time to time are: Helen Hall, 21; Germaine Klingler, 18-2; Celeste Phillips, 19-3; Caroline Holz, 18-2; Grace Phillips, 21; Marie Blough, 26-2; Margaret Phillips, 18-2; Lucile Vance, 21; and Anne Rastetter, 18-1. Several of the last named group have been playing golf for one or more seasons, and come out to improve their strokes.

Remember that if, and when, our own G-E golf course is opened, Sam "politically promises" frequent ladies' days, with sugar in the sand traps, free Luckies instead of sweets, and John Gilbert-type caddies.

Girls' Tennis Tournament

This is an opportunity for all girls who know how to play tennis to enter a tournament. You do not have to be a good player to enter; all you need is a knowledge of the fundamentals of the game.

Perhaps you are one of those girls who used to play tennis regularly, but who for the last few seasons just has not been near enough to a tennis court to become enthusiastic; or, perhaps you just learned to play last season, and have not yet been out this year. If so, be sure to enter. No entry fee is required. You may play your matches on the famous G-E Club tennis courts, or anywhere you and your opponent decide to play.

The semi-finals and the finals will, of course, be played on the G-E Club courts. The courts will be open for tournament matches every Tuesday after tennis class, which will be anywhere from 6:30 to 7:00 p.m. until dark

and every Friday from 5 o'clock until dark. Tuesday and Fridays are the girls' nights exclusively. Since Saturdays, Sundays and holidays are open to both girls and men, matches can also be played on those days.

This is your opportunity to get some good tennis practice, and also have a good time as well as to play in an elimination tournament. Do not hesitate to enter just because you are not a "crack" player. The purpose of this tournament is to provide a special opportunity for girls who can play tennis to get some practice and to meet other girls in the Plant who like to play; so be sure to enter even though you are the only girl in your department to enter. You will soon get acquainted.

If you want to enter the tournament, just send your name, location and foreman's name to Esther Moll, Bldg. 21, immediately. Entries close June 30 at noon. At least 100 girls should enter this tournament considering the number of girls working in the Plant. If you have any questions, send them to Esther Moll.

As soon as all entries are in, rules and regulations for the tournament, as well as the schedule, will be drawn up. The schedule will be made up by drawing lots.

Decatur

Gecode Girls Plan Outing

THE Gecode Club girls have in mind a week-end outing at Russell's Point, the well known summer resort on Indian Lake, east of Wapakoneta, Ohio, some 65 or 70 miles from Decatur. Plans for such an outing were discussed at the last banquet and business meeting of the club held at Decatur Plant on the evening of May 29. It is expected that practically every member of the club will arrange to attend. Thirteen girls were in attendance at the meeting.

Band Plays at Speedway Races

MEMBERS of the Decatur G-E band returned from the Memorial Day races at the Indianapolis Speedway and reported a very exciting time. Twenty-eight men made the trip, the band being one of the many hired to furnish music for the day. An interesting experience for the members was their playing in the massed bands event. As the seats of the Decatur boys were right on the curve coming into the home-stretch they were where the majority of the thrill occurred.



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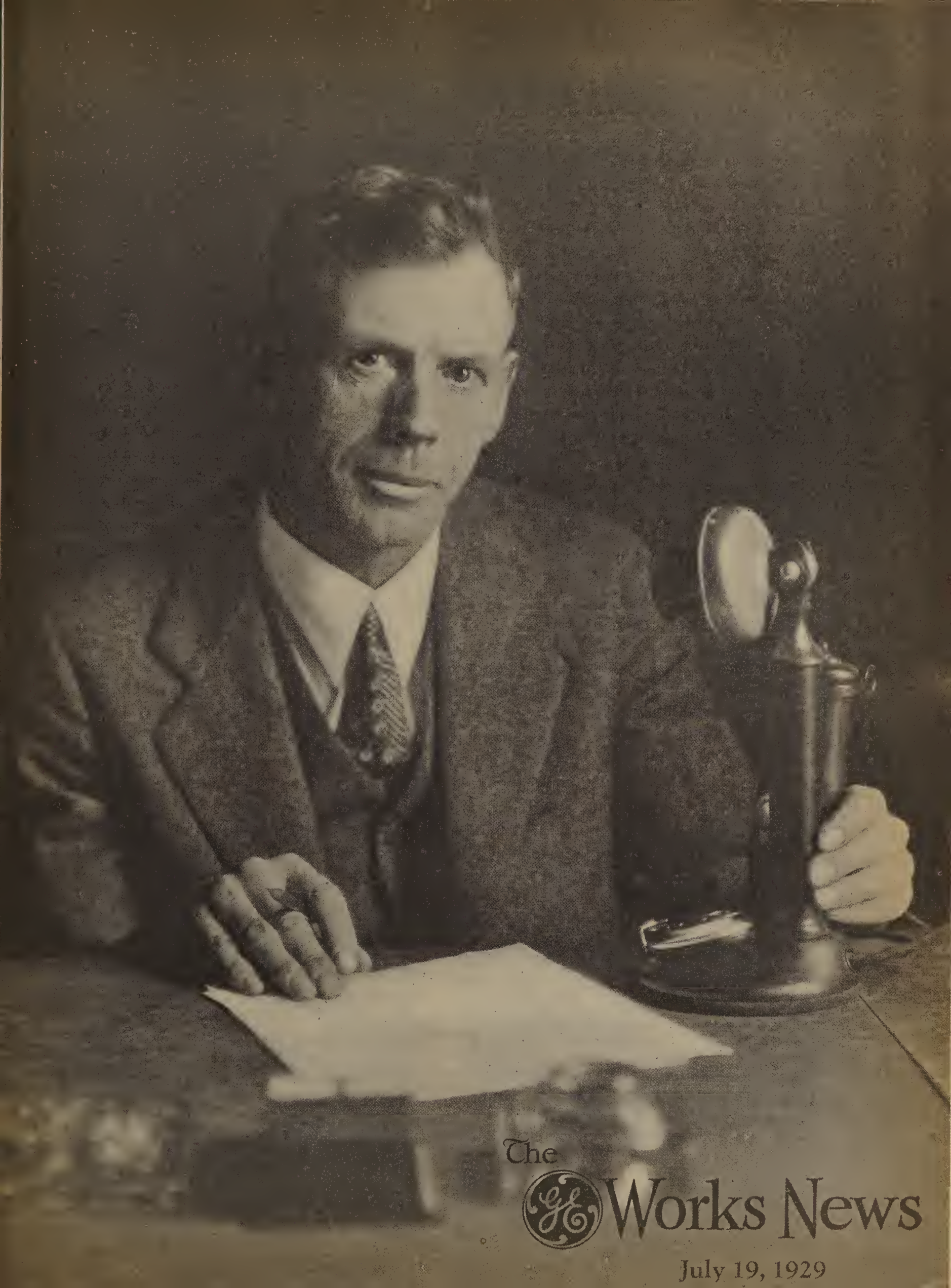
This monogram is on many of the latest electrical installations that are setting new production records in industry. It also appears on conveniences for the home. General Electric engineers will be glad to keep you informed as to electrical developments and to help you solve any problem in the application of electricity.

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This advertisement will appear in general magazines during June



The



Works News

July 19, 1929

Snapped During the Noon-hour



Off for lunch



All set for a ring



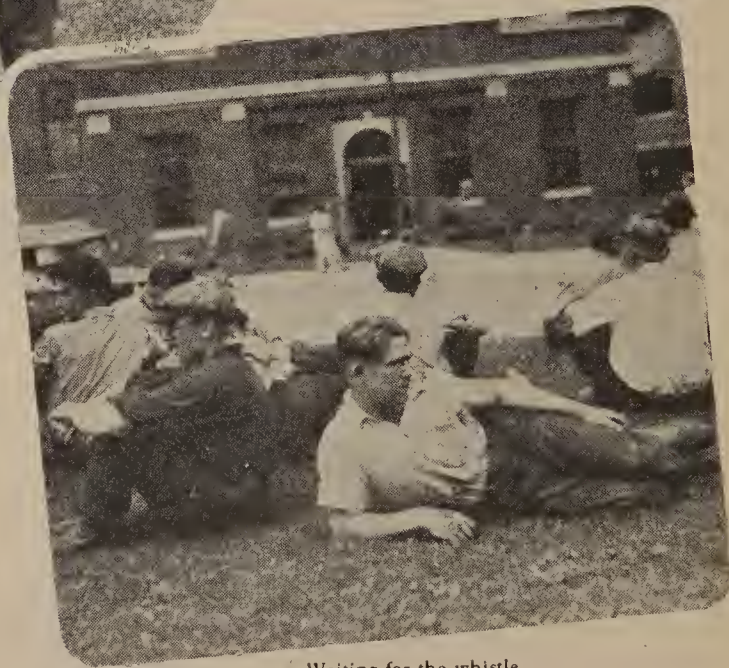
A cool smoke after lunch



A picnic lunch in the park



More picnickers



Waiting for the whistle

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

July 19, 1929

No. 7

Draftsman Apprentice Secures Largest Award

THE largest suggestion award during the past month was paid to William Crouse, draftsman apprentice, Transformer Dept., Bldg. 19-2. The award, \$150, was made on Mr. Crouse's suggestion that one wedge instead of four be used in the assembly of the core and coils of Type G transformers. Although similar wedging had been tried on other transformers without success the plan proved practical in connection with this type.



Russell Cummins



William Crouse



John F. Smith



Leo C. Gass

John F. Smith, Bldg. 19-4, was granted \$50 additional award on his suggestion regarding the use of

insulated wire for current coils in the 3-wire type 1-16 watt-hour meters. The original award was \$100. Russell L. Cummins, Bldg. 26-2,

on review of his suggestion of a covering to keep radio transformer cases clean until they were ready for filling with compound, received \$40 additional award. Mr. Cummins' original award on the suggestion was \$60.

Leo C. Gass, Winter St., received \$25 award on his suggestion of using cadmium plated steel washers instead of brass washers in the control panel of refrigerator unit.

Edward Bowser, Bldg. 26-4, received \$20 award on his suggestion of cutting to length the corrugated paper used for packing phonograph motor disks.

Oscar H. Cook, Winter St., received \$20 on a suggestion about the purchasing of rubber washers used with ice machines.

Lawrence C. Jentzsch, Bldg. 4-3, suggested that a tension device be supplied on the spring winding machines in Bldg. 4-3 to eliminate the necessity of respooling wire. His award was \$15.

Louis Steup, Bldg. 19-5, suggested the use of steel in place of brass for relay bushings and nuts and received \$15 award.

S. Alsbaugh, Bldg. 19-4, received \$15 award on suggestion that a block be supplied for straightening pivots in Bldg. 19-4.

Fred Zehender, Bldg. 12-1, was awarded \$15 on his suggestion of supplying a collapsible core for use on paper testing machine in Bldg. 4-B.

Frank Bergquist, Winter St., received an additional award of \$10 on review of his suggestion of testing evaporation joints with soap, for leaks. His original award on this suggestion was \$15.

On the Front Cover

THE picture on the cover will introduce Sam Agnew, Receiving Dept., Bldg. 6. Sam comes by his slightly Irish brogue most honestly for he was born in Belfast and lived there until he was a young man. After finishing his training in the Technical Institute at Belfast he secured work on the construction of the Musgrave ship channel in Belfast Harbor. Here he saw the great ships coming in and leaving for all parts of the world, and in his work around the docks he became acquainted with sailors who had been in all parts of the globe. From these sailors he heard much of America and glowing accounts of Chicago, which a number of these men had visited during the World's Fair. It was only natural that one of Sam's age should wish to see places of which he had heard so much, so he decided to get a job on a ship that he might see something of America. Accordingly he secured a job as steward on a boat of the White Star line running between Liver-

pool and New York. Before starting out from Liverpool he and a boyhood friend, who was sailing on a boat that came around the other way, made arrangements to meet in Chicago. On his ship's 7th arrival in New York Sam gave up his position as steward, for the time was near at hand at which he was to meet his friend in Chicago. Both of the boys met there and decided they would like to try firing on the railroad. They were unable to land such work in Chicago so they came on to Fort Wayne, as someone told them they could get such a job with the Pennsylvania if they applied for work here. They did secure jobs with the Pennsylvania and Sam fired for two months. Then he unfortunately caught typhoid fever and spent the next three months in our Lutheran Hospital. When he got out he was not strong enough to go back onto the road firing so he returned to Chicago and took up a job as car repairman for the city railway lines.

(Continued on page VII)

W. W. Porsch, Winter St., received \$10 award on his suggestion of using a special gauge for checking the rabbet face on machine built at Winter St.

R. L. Flighter, Bldg. 18-4, received \$10 award for suggesting slit edge copper for clips made in Meter Dept.

Edward H. Kibbiger, Winter St., was awarded \$10 on suggestion regarding knockouts on dies.

Edmund Kaliker, Bldg. 26-2, was awarded \$10 on his suggestion that pattern numbers be stamped on nameplates of certain transformers.

Glenn Robinett and Gustave Kruse, Bldg. 22, shared a \$10 award on their suggestion of supplying additional oiling facilities on Wright die machines.

C. F. Bohde, Bldg. 19-1, suggested a change in the wiring for lights in Bldg. 19-B and received \$10 award.

Quimby C. Elkins, Bldg. 4-5, suggested that drawings be changed to call for the dipping in shellac of certain fractional hp. motor leads to prevent fraying. He received \$10 award.

Arthur McNamara, Bldg. 19-5, received \$7.50 award on his suggestion of a change in method of stripping leads in Bldg. 19-4.

Ninety-six awards of \$5 each were made as follows:

Everett Gcarhart, Bldg. 19-5, eliminating zinc plating of Type 1-16 meter element rivets.

Donald Travis, Bldg. 26-B, change to method of making out stock reports in Bldg. 26-B.

J. Eugene Martz, Bldg. 26-2, supplying guard at press in Bldg. 26-2.

Louis J. Hinen, Bldg. 4-1, supplying guards at fire plug between Bldgs. 4 and 6.

S. J. Stocks, Bldg. 18-5, supplying clutch on printing machine shaft used in Blue Print Dept.

Quentin C. Turner, Bldg. 26-5, change to arbors used in Bldg. 26-2 to hold leads to arbor.

R. E. Hill, Bldg. 19-1, change to wiring at drill presses in Bldg. 19-1.

Dale A. Lytal, Bldg. 26-1, supplying a conveyor for cooling transformers in Bldg. 26-1.

Beatrice Eastman, Bldg. 19-4, supplying guard for winding machine in Bldg. 19-4.

Erma McCormick, Bldg. 19-4, change to material used for certain meter screws.

William Hoelle, Bldg. 19-1, supplying discharge resistances at switchboards in Bldg. 19-1.

Avery Spayde, Bldg. 26-3, change to pin in die used in Bldg. 22.

J. F. Payton, Bldg. 26-1, supplying a guard for motor-driven screw drivers.

Arthur J. Minnewisch, Bldg. 4-1, supplying a shield at conveyor.

R. L. Flightner, Bldg. 18-4, change to type of thread carried in Stock Dept.

C. F. Hambrock, Bldg. 19-5, use of a steel in place of brass for MC-9 relay locking device.

Herman Sexton, Bldg. 19-4, change to gear stamping fixture used in Bldg. 26-4 to permit operation by foot.

Mabel Lieberenz, Bldg. 4-3, supplying guard for machine 3276.

Rced L. Watson, Bldg. 4-5, supplying special knives for cutting wires from scrapped windings.

R. L. Flightner, Bldg. 18-4, supplying bar stock used at Winter St., already chamfered.

K. Shechan, Bldg. 12-2, supplying guard for grinder in Bldg. 4-2.

Robert R. Bartel, Bldg. 16-3, change to method of finishing parts for switch-gear panels.

George D. Sheabold, Bldg. 4-1, change to method of handling reamers supplied in the Frac. Hp. Motor Dept.

Albert Ray, Bldg. 4-5, change to method of soldering stop on frac. hp. motor rheostat parts.

T. Hildebrand, Bldg. 26-1, change to soldering flux used in tinning copper strips.

G. K. Buchan, Bldg. 19-1, supplying danger signs at test.

Emery Spade, Bldg. 26-4, supplying guard at machine 1223.

Earl McVey, Bldg. 10-1, supplying Foamite tank on varnish cleaning machine in Carpenter Shop.

August M. Hinrichs, Bldg. 19-4, purchasing repair parts for clock mechanism in Bldg. 19-4.

Charles J. Ueber, Bldg. 26-5, supplying shields at gas forges in Bldg. 26-5.

John H. Miller, Bldg. 17-4, supplying shelf for holding material and equipment in Service Bureau, Bldg. 18-2.

Doris Marie Cook, Bldg. 4-1, supplying lock washers on coil rack rods.

C. H. Francies, Bldg. 17-3, supplying false centers for refinishing collector rings.

W. K. Gregg, Bldg. 16-3, code for use with Ediphones and telephones.

Robert Hatfield, Bldg. 20-1, change to heating elements on blueprint machines in Bldg. 18-5.

E. Geller, Winter St., installing lights in stairway to roof at Winter St.

Walter Johnson, Winter St., supplying pump for grinder.

William Degits, Winter St., supplying a new type spring for base tester.

Raymond Holmes, Winter St., annealing nails used for nailing insulite.

Joseph W. Hawk, Winter St., supplying a stand for holding trays at conveyor.

Joseph R. Carrier, Winter St., purchasing needle valves for repair parts.

Leo Walters, Bldg. 4-5, change to cables on panels used with motor-generator sets.

S. C. Newlin, Bldg. 3-3, eliminating sanding operation on Vitaphone motor fan guards.

J. B. Grogg, Bldg. 19-4, change to brush blocks sketch 2539236 used in Meter Dept.

Helen Dammeyer, Bldg. 26-1, change to guards on winding machines.

R. W. Heckman, Winter St., change to vise jaw on milling machine.

Paul G. Kirbach, Bldg. 26-1, removing brace at crane.

Roy Mentzer, Winter St., supplying a special tool for removing burr from springs.

George D. Ellison, Winter St., supplying guard on machine.

Ben O. Kochel, Winter St., supplying guard at sand blast hose at Winter St.

Theodore Mullen, Bldg. 26-4, change to punch and die for relay contact brushes in Bldg. 26-4.

Pay Day Schedule to be Changed

On or about October 1 a new schedule of pay days for people working in the several sections of our plant will go into effect at Fort Wayne Works. As at present factory employees will receive their wages for all time turned in up to closing time of the previous week and all will receive their pay before Friday night of each week. Some of the checks or deposit slips will be distributed each day beginning Tuesday, office employees receiving their pay on Saturday as at present. A detailed schedule of pay days for the various sections will be announced later.

This new plan is to be established to equalize the work in the Pay Roll Dept. and to relieve the burden placed on merchants and banks due to our present plan of paying all employees at the end of the week.

J. W. CRISE,
Works Accountant.



The Crowd at Closing Time

Wilmer Maloney, Winter St., supplying guard on Bullard machine.

Dallas Patten, Bldg. 17-3, supplying a drain pipe at hydraulic press in Bldg. 17-3.

Wilmer Maloney, Winter St., supplying icing unit at drinking fountain.

E. E. Yoder, Winter St., supplying a guard on grinder motor.

John W. Hook, Winter St., piping hot water to wash tank.

Louis D. Hopper, Bldg. 20-1, supplying a horse for hack saw in Bldg. 17-4.

Arthur F. Sorg, Bldg. 4-1, supplying a screen over end of suction pipe at Miller.

Mary Coles, Bldg. 4-1, change to slots in winding arbors.

Luke J. Martin, Bldg. 26-3, supplying a guard for riveting machine.

Leo Persing, Bldg. 19-4, change to blocks used in relay test.

Freeman White, Bldg. 4-4, supplying tubes for keeping dirt from windings when reaming stators.

Kurt Trapp, Bldg. 4-1, supplying set screws for DR-5 stator grinding plates in Bldg. 4-2.

Leo J. Neuman, Bldg. 20-1, supplying safety device on new punch presses in Bldg. 27.

Harry M. Magner, Bldg. 17-3, change to guard on grinder.

R. L. Flightner, Bldg. 18-4, ordering carriage bolts with rolled threads for use at Winter St.

Ralph L. Shoemaker, Bldg. 26-2, supplying fans at heat run in Bldg. 26-1.

E. McLauchlin, Bldg. 26-2, supplying hooks for holding up wagon handles on wagons in Transformer Dept.

Harry Feaser, Bldg. 19-4, supplying guide on conveyor belt.

Arthur Hyser, Bldg. 20-1, supplying a circle T switch in Bldg. 18-B.

J. F. Payton, Bldg. 26-1, change to method of bringing out leads on certain transformers.

Edward J. Struchen, Bldg. 26-4, supplying sawdust.

James F. Sarasen, Bldg. 19-4, supplying a drill press for reaming elements.

Golda Mentzer, Bldg. 26-3, supplying lights on lead stripping machines.

Floyd Elmer Parnin, Bldg. 26-2, running an air line to testing machines.

Rudolph Stock, Bldg. 19-2, relocation of switch box on Machine.

Harry M. Magner, Bldg. 17-3, supplying ventilation for grinder.

Wallace Geller, Bldg. 20-1, insulating steam pipe in Bldg. 6-2.

Walter J. Frederick, Bldg. 19-4, change to length of certain transformer leads.

Orville E. Smith, Bldg. 4-3, supplying guard on lathe.

A. Schneider, Decatur, pulleys to replace porcelain eyes on type U winding machines.

Otho Delma Franklin, Bldg. 17-3, shields for shavings at Baker drill presses.

William Rohe, Bldg. 8-1, wrapping wire spools received from Schenectady, with corrugated paper.

R. Nickerson, Bldg. 19-B, purchase in 2-ft. lengths instead of rolls certain items of shim steel and aluminum.

Walter Schelper, Bldg. 4-5, omitting cored hole in end shield Frac. Hp. Motor Dept.

Margaret Waltke, Decatur, the supplying of longer benches for armatures on conveyor at winding machines.

C. F. Hambrock, Bldg. 19-5, change to certain nuts and washers on meters in Meter Dept.

Roy E. Woods, Bldg. 26-2, supplying spring on air jet handle on rolling machine.

Amanda J. Taylor, Bldg. 4-4, supplying shields at armature connection benches in 4-4.

Ralph Ballenger, Bldg. 19-4, supplying holder for reaming certain relay pawls in Meter Dept.

Mildred L. Plaisted, Bldg. 19-3, the use of certain double faced carbon paper for certain classes of typewritten work.

Ronald Christy, Bldg. 26-2, supplying guard at drinking fountain in 19-2 to prevent wire spools and trucks from breaking it.

Lawrence Suelzer, Bldg. 26-4, supplying buffing wheel in Bldg. 4-5 with ventilation, to better working conditions.

Harry M. Magner, Bldg. 17-3, supplying table at armature journal grinder.

Firemen Take Honors at Convention

FORTY of our 60 volunteer firemen and 45 members of our G-E Band were in attendance at the annual convention of the Northern Indiana Industrial and Volunteer Firemen's Association held at Bremen, June 13, and carried away their share of the honors. Our firemen won the prizes for the largest fire company in parade, for best fire company in parade; took first place in running ladder contest and second place in both the hose-laying contest and water battle.

The S. F. Bowser Company's firemen took the hose-laying contest in the record time of 27 $\frac{3}{5}$ seconds and this being their third consecutive victory in this event they won permanent possession of the James J. Wood trophy which has been the prize competed for each year since 1926. The Bowser team is to be congratulated on the record time they established; however, it should be noted that this year a box cart was used by all competitors instead of the hose reel cart previously used. The General Electric's time was 28 $\frac{3}{5}$ seconds. The old record, using the reel type of hose cart, was 30 seconds, made twice by General Electric, first at Decatur in 1923, then in Fort Wayne in 1924.

In the running ladder contest the G-E team established a new record, 18 $\frac{2}{5}$ seconds. The previous record for this event was 18 $\frac{4}{5}$ seconds, made by the Bowser firemen at Bluffton in 1927.

The G-E Band, with Conductor Verweire at the head, repeated in the honors of many years past in being adjudged the best band in the parade. Our neatly uniformed band of experienced and carefully trained musicians is a group from which it would be hard to take the honors. The part taken by our band is always one of the features of these firemen's conventions.

Next year the convention will be held at Warsaw. F. G. Duryee and Paul Grimme will again have a part in the councils of the association.

Although one-third of our G-E firemen were required to remain at

home to safeguard our plants, yet those who were in attendance report this year's convention as one of the best ever held. The interest in the association, in fact, is on the increase, as is shown by the appearance of delegates from eight new fire companies which were duly admitted to membership. Dudo is the only new member from Fort Wayne.

Deaths

Hugh L. Collis

HUGH L. Collis, 45, machinist, Special Machine Dept., Bldg. 26-5, died June 16 at St. Joseph's Hospital. For some time Mr. Collis has been in poor health and since March 15 he had been on leave of absence. His employment here began on January 31, 1923, his entire service being in the Special Machine Dept. Surviving are two daughters, Mary Margaret and Catherine Alice, and one son, Hugh Leo, Jr. Mrs. Collis died four years ago. The funeral for Mr. Collis was held June 19 at St. Joseph's Catholic Church, with burial in the Catholic Cemetery.

Charles W. Pierce

Charles W. Pierce, 63, crane operator, Bldg. 27, died June 21 at the Methodist Hospital where he was taken for treatment after muriatic poisoning. Mr. Pierce began work here on August 8, 1911, as yard helper. In 1919 he was transferred to the Transformer Dept. as crane operator in Bldg. 27. Late in 1927, after a short lay-off on account of lack of work, he served for a time as a machine operator for Mr. Knocke in Bldg. 27 but soon returned to his former job as crane operator. He was a brother-in-law of Frank Thomas, Bldg. 12-1. The body was removed to Sabina, Ohio, for burial.

Frank E. Current

Frank Ely Current, 24, inspector, Transformer Dept., Bldg. 26-2, died June 19 at St. Joseph's Hospital as a result of injuries received

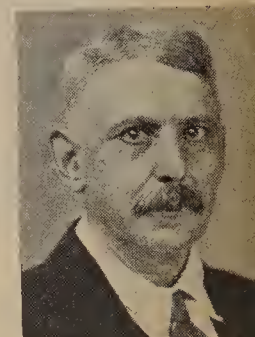
in an automobile accident near Kendalville on the night before. Mr. Current had been employed here in testing and inspection work since October 19, 1925. He was the son of Mr. and Mrs. Frank O. Current, 1015 Rivermet Ave., and lived with his parents.



Frank Ely Current

Philip Rentschler Retires

PHILIP J. Rentschler, Mechanical Maintenance section, General Service Division, Quarter-Century Club member, who was 66 years of age on May 15, gave up his active service June 15 under the Company's provisions for optional retirement pension. Mr. Rentschler began work here at our



Philip Rentschler

Broadway plant on June 5, 1896, and his service has been continuous from that time, 33 years. About two years after he started here he was assigned to the work of oiling and belt lacing and has continued on this work. In the many years that he has been leading workman in charge of this work he has proved in every way that he is truly a specialist on belts and belting. In handling his job of keeping all the factory belts in good shape he has combined an expert knowledge of leather with careful attention to the stock of belting, so that supplies were always on hand. In the old days when all our machines were belt-driven his was no small job. Now, with the advent of belt conveyors, it is still important.

Mr. Rentschler gives up his work while he is still in good health. He will doubtless spend some time during the summer at a cottage on Lake Lavine but he generally will be at home to friends at his residence 1335 Taylor St.



FACTORY GROUP TAKEN ABOUT 1894

In this group the following have been identified: Gus Kayser, Gus Rogge, Eugene McLaughlin, Fritz Bleibtreu, H. Peek, Joe Schwartzkopf, L. S. Brownsberger, Link Johnson, V. F. Mosier, W. Brenman, N. O'Niele, V. D. Riley, W. Campbell, F. Eggeman, W. Schafer, Fred Stelhorn, Billy Wurtle, Peter Kindt, Harry Evans, Joseph Leitz, William Murphy, C. Lapp, C. Bohne, M. Wells, C. Wilcox, H. Lepper, John Bauer, L. Closs, William Donell, T. Bauer, H. Ream, P. Bosworth, W. Ehrman, W. Dalton, W. Siebold, P. Betts, W. Riehl, W. Reehling, H. Keill, L. Kayser, W. Tegtmeyer, John Daley, Ed. Morris, John Wechtmiller, W. Kellermeyer, W. Renewald, Wm. Zuttermeister, Gust Woebeking, Noah Baker, Charles Meyers, Otto Morrel, Al Schlotter, John Gidley, Geo. Schlenker, L. Bixler, R. Johnson, J. Gruber, Thomas Thompson, N. Berdelman, H. Prange, F. Kaade, W. Thain, Fred Miller, William Meyers, Charles Egg, William Schultz, John Kress, Charles Raquet, W. Raidy, John Peckham, James Rehner, Charles Halverstot, George DeWald, J. Chadwick, Stewart Rehner, Dennis Reiley, Ed Graham, H. Dawden.

G-E Club Athletic Committee to Control the Adoption of Monograms and Uniforms

RECENT action placing control of the adoption of sweaters, jackets, or similar garments bearing the G-E Monogram, with the G-E Club Athletic Committee has solved a vexatious problem and will do much to standardize the insignia of title-winning teams.

It has been the practice to award members of major teams, taking honors in their respective leagues, with coat sweaters or jackets bearing the G-E Monogram. Effort has been made to use the color combination of blue and orange so far as possible in all uniforms, garments and monograms, without exact duplication. Players on the basketball team this season were given a distinctive jacket of suede leather, with the Club Monogram attached to the back of jacket.

A new Monogram, made up with the trade-mark and with the team name beneath, may be worn by members of winning teams in major, minor or junior activities,

in inter-department leagues or industrial leagues usually conducted under the auspices of the city Y.M.C.A. Teams other than those considered as major are not usually given an award. Should they desire to adopt insignia they must secure approval of Athletic Committee.

On the Front Cover

(Continued from page III)

Later he returned to Fort Wayne and secured work here pushing a hand-truck, unloading cars. That was on November 8, 1911, and Sam is still here.

From the hand-truck job Sam was soon promoted to work as inspector of incoming material, and after some two years at that, he was made receiving clerk. Receiving clerks then wrote out in long-hand detailed lists of all incoming material and in his several years on this work Sam thinks that he wrote more volumes than a mod-

ern author of fiction. About 1916 Sam was made chief clerk in the Receiving Dept., a position he held until recently when he was asked to take charge of all the work of unloading, checking and making disposition of the incoming shipments received here at the Broadway Plant. This assignment takes him to all parts of our Works.

In 1920 Agnew took a six months' leave and returned to visit his relatives in Belfast. When he first arrived there it was spring and the beauty of the mountain slopes rising in the distance back of his father's home at first almost impelled him to decide to remain. However, before his six months were over, he became anxious to get back among friends in America, for the reserved manners and customs of Ireland he found quite in contrast to our more sociable, democratic ways. As is typical of his countrymen Sam tells an Irish story well. He has his countrymen's keen sense of humor and is a mighty pleasant fellow to know.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13

July 19, 1929

No. 7

Safety Paragraphs

DID you ever go fishing and have a big one get away when you had almost landed him? To have a vacation spoiled by accident is even more disappointing.

A vacation is something we look forward to for fifty weeks out of the year—even if it does take another two weeks to rest up after getting back on the job.

The automobile has made new pleasures possible but it has also brought new cares, ranging all the way from flat tires to personal injuries, with parking difficulties, traffic tie-ups and the other fellow's driving somewhere in between. Driving a car involves serious responsibilities. No one can think of himself alone, when he must share the road with thousands of other motorists.

Perhaps it is natural to feel that traffic dangers are left behind when we hit the country roads and there is a temptation to step on it and watch the scenery at the same time. Country pavements are often narrower than those in the city, but the real reasons for the increasing number of rural highway accidents are lack of regulation and lack of self-restraint.

Everyone knows that a poor swimmer should hug the shore, but many are drowned every year when they get beyond their depth.

Enjoyment is the fish you are angling for on vacation. Don't let him get away through a preventable mishap.

* * *

We hope that all of our people will be especially careful during the months of July and August. Our accident records show that during these two hot months there is a tendency for the number of accidents to increase. It is not definitely known just why this should be. It seems to me, however, that there may be two contributing causes, first, these are the months for vacations, outings, picnics, etc. It may be that we think about these things and get our minds off our jobs—result, accidents. Second, during these two months the weather is hot and sultry, our minds and bodies may both be under par on these hot days—causing accidents.

As stated in the above paragraph, we do not want our vacations marred by accidents. *Let us all be careful!*

* * *

WANTED—Over 9000 G-E employees of the Fort Wayne Works to practice *Safety*.

It is easy to learn, experience not necessary, compensation—a bright and happy life

L. C. SWAGER,
Safety Engineer.

Absent Employees

Margretta Lewis, Transformer Dept., Bldg. 26-3, is now at her home at 722 Orff St. recuperating from a recent operation.

Edith Wartenbe, Transformer Dept., Bldg. 26-2, who has been away from work for several weeks because of an operation, reports that she is feeling much better.

Vera Cox, Transformer Dept., Bldg. 26-2, is at her home recovering from an operation.

Margaret David, Works Restaurant, who is at her home at 2215 Broadway following an operation, reports that she is feeling fine and will return soon.

Violet Jewell, Transformer Dept., Bldg. 26-2, has been admitted as a patient at the Irene Byron Sanitarium

following an attack of the flu. While her condition is not serious she probably will be confined to the sanitarium for several months. A visit from her co-workers we are sure would be appreciated.

Myrtle Swager, General Service Dept., Bldg. 20-1, has been away from work for several weeks on account of sickness.

Andrew Einseidel, Apparatus Dept., Bldg. 19-1, who is now at his home recovering from an operation, reports that he is feeling fine and is planning to return soon.

Frances May Wert, Transformer Dept., Bldg. 26-3, who is now at her home at 816 Elmer St. recovering from an operation, is improving nicely.

Effie Sexton, Small Motor Dept., Bldg. 4-4, reports that she is feeling fine since her operation.

Thelma Wolf, Small Motor Dept., Bldg. 4-1, a patient at St. Joseph Hospital suffering from malaria, is improving, and she expects to leave the hospital soon.

Beatrice Roop, Transformer Dept., Bldg. 26-3, is now at her home at 2217 Oliver St., recuperating from a recent operation.

Fred Combs, Winter St. Plant, now at his home at 609 Taylor St. recovering from an operation, is improving nicely and should return to work in a short time.

Lucille Saylor, Transformer Dept., Bldg. 26-1, who is at St. Joseph's Hospital, is getting along fine and will be leaving in a few days.

Harold Cole, Wire and Insulation Dept., is ill at home at 4131 South Wayne Ave. and may be absent for several weeks.

Edward Kull, Small Motor Dept., Bldg. 4-3, who has been unable to be at work for several weeks, reports that he is feeling much better.

Helen Place, Small Motor Dept., Bldg. 4-1, is a patient at St. Joseph's Hospital. She is progressing nicely and expects to leave soon for her home at 1412 N. Harrison St.

Howard Young, Winter St. Plant, is still confined to the Lutheran Hospital because of injuries received in an accident several weeks ago. Although his injuries were very serious, there has been improvement and everybody hopes for his speedy recovery.

Roy Brown, Winter St. Plant, has been removed from St. Joseph's Hospital to his home at 1811 Edsall Ave., following an operation for appendicitis. His condition is much improved.

Eli Mountz, Winter St. Plant, who has been a patient at St. Joseph's Hospital, has been removed to his home. His condition is improved.

Charles Niblick, Winter St. Plant, who is now confined to his home on Thompson Ave. because of burns, is feeling better and expects to be back at work before long.

"Ask Me Another" About French Point

G-E Girls Are Playing A New Version of This Popular Game

Q. Where can I go for my summer vacation this year?

A. French Point Camp, one of the most ideally situated and one of the best-equipped resort spots of this type in the country.

Q. Where is it?

A. On beautiful Lake George, in the Adirondacks. P. O. Address—Glen Island on Lake George, N. Y. Nearest village, Bolton Landing, N. Y.

Q. What can I do there?

A. Just loaf and be lazy in a place wonderfully adapted to such a life; try to resist getting fat on the best food ever; read, chat, play cards, do fancy work; play the radio, phonograph, piano, or your own ukuleles, guitars, and fiddles; hike over woodsy mountain trails; row, swim; play tennis, play croquet, ping-pong, darts; identify birds, trees, flowers, have marshmallow roasts and camp-fire sings; eat Kabob suppers; go for moonlight dips; be in stunts; go on special trips to Fort Ticonderoga, Ausable Chasm, or Montreal.

Q. But what if I don't know how to do some of these things?

A. Wirtie and Anne, who have charge of camp, give free lessons in swimming, rowing, tennis, nature study, even croquet, ping-pong, or how to get ready for a Kabob, as well as lead the hikes.

Q. What will I have to show for my vacation when I leave camp?

A. A fashionable tan, the memory of some of the best times you'll ever have, with snap shots and silly song books to remind you of them; jolly good friendships with girls from different parts of the country, as well as those of your own town; probably ribbon awards for various activities, a sweater emblem, a French Point pin, or a sweat shirt.

Q. What if none of my G-E friends can get off to go when I can?

A. Don't be bashful about coming to French Point alone—you can't be a stranger from the moment the steamer docks at the Rendezvous. This year, for the first time,

a limited number of those not connected with the Company are being allowed to come with "our" girls during the first three or the last two weeks of camp. The rate for them will be \$25 a week. (We just got a notice of a camp, not nearly so nice as F. P. C., the charges for which are \$50 a week and the guests are to furnish their own bedding!)

Q. What will such a vacation cost me?

A. \$10 a week will cover all living expenses in camp. Those wishing to arrange for special boat and motor trips should count on a maximum of \$2.50 for the Fort Ticonderoga trip, \$10 for the Ausable trip, and \$25 to and from Montreal.

Q. How can I get there?

A. From Albany or Schenectady go to Lake George Village and there take the D. & H. steamer *Sagamore* at 3:20 p.m. Those motoring may go by car to Bolton Landing, leaving by the same steamer at 5:05 p.m. You'll arrive in time for supper, your first sample of Mrs. Phillips' wonderful cooking. All except those coming from a great distance should arrange to arrive on Saturday evening. The latter may write for information regarding arrangements.

Q. What clothes shall I need?

A. Sport knickers; shirts or middies; warm sweater or jacket; warm hose; bathing suit and caps; low-heeled, high-topped shoes for those who plan to hike; tennis shoes (suction-soled basket-ball shoes will serve both purposes); rubbers and rain coat, just "in case." Unless you expect to go to Montreal, you won't need a dress from the time of arrival till departure.

Q. What other equipment is desirable?

A. Towels and wash cloths, flash light, camera, tennis racquet. Candy, souvenirs, camera films, stationery, postal cards, etc., can be purchased at camp.

Q. What if I don't like "roughing it?"

A. No place could combine closeness to nature with the comforts of civilization so completely as French Point Camp. Only two girls, each with her own cot and wash-stand, live in each of the screened, electric-lighted tent houses; but the houses are close enough together so that no two can feel lonely or frightened.

Q. Do we have to live by rules?

A. Not rules—there are a few courtesies and precautions which we all observe for the comfort and safety of our family.

Oliver Ames, Senior Director, Dies

OLIVER Ames, senior director of our Company, died at his home in North Easton, Mass., on June 18. Mr. Ames had served continuously as a director of our Company for 36 years, and during that period he exercised an important influence on the course of the Company's destiny.

Born in North Easton, October 21, 1864, he was graduated from Harvard in 1886. Following his graduation he entered business, and early in his career he became interested in the possibilities of the electrical industry, then in its infancy. He was one of a group of Boston business' men who were interested in the old Thomson-Hous-

ton Company, which later combined with the Edison General Electric Company to form the General Electric Company.

The breadth of Mr. Ames interests is indicated by the variety of concerns, in addition to our Company, in which he was interested. These included a number of banks, industrial concerns, and railways.

A son, Lt. Oliver Ames, Jr., was killed in action in France during the war, and had been awarded the distinguished service cross. He is survived by another son and two daughters.

A more extended biographical sketch of Mr. Ames appeared in the July 1, 1927, issue of this magazine.

How the Suggestion System Was Started

A Toolmaker Devised "A Better Way," a Works Manager Had Confidence in Him—and Our Present System Was Born

IN the beginning he was a shop worker among many other shop workers. His shop was only a short walk from the gate. It was a noisy place. Big, lusty punch presses hammered away there upon thin sheets of iron.

Deftly and neatly they cut these laminations into curious, finger-like circular strips, just as the housewife in her kitchen cuts biscuits out of dough. Men sat all day feeding sheets into these machines. It had to be done quickly, precisely, regularly. It took much straining watchfulness for the press-feeder to get them in just the correct position and then get his fingers out of the way of the descending cutter,

Highly specialized tools were required in operating the punch presses, and that was his job—to construct these tools, which were "made to order" in every sense of the word. But he did more than build new tools according to the particular needs of the shop. He watched what they did with his tools; watched, likewise, the hammer-like operations of the punch-presses.

This was Christian Steenstrup, toolmaker in the Schenectady Works in 1901. He was a rather young chap, but not at all new to the country, nor new to his work, only new to his immediate surroundings.

Nor was he "hard boiled." If he had been, probably he would never have suggested that these machines could be made to work faster, more efficiently, and with less danger to the fingers of the operators.

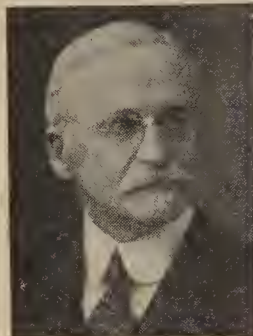
He made some such assertion to very nearly everyone in authority around that shop. But few took him seriously. The various bosses listened and then seemed to forget all about it. Apparently it did not occur to them that a shop man could have ideas of value; that a shop man could possess an inventive type of mind, or show himself capable of original thinking.

But he finally discovered a fore-

man on the floor below—or the foreman discovered him—who not only listened but who began to ask him questions.



Christian Steenstrup



G. E. Emmons

"What is it that you think you could do?" he inquired.

"I can make an automatic feeding device," answered Steenstrup quickly, "which will allow these metal sheets to be placed in the correct position much faster than by hand feeding. The man who feeds won't risk getting his fingers caught."

The downstairs foreman seemed to like that idea. There had been accidents on those presses. Some of his men had had fingers crushed or severed. And neither the experience nor the reaction had been pleasant.

"If I get a shop order, could you make your device for me?" he asked Steenstrup.

The young mechanic nodded eagerly. In time the shop order came along. It was on a Saturday morning. By the following Monday, Steenstrup had his feeding device planned and sketches prepared. The device was made and attached to one of the presses over which the downstairs foreman had jurisdiction—and it did all that Steenstrup had promised it would do.

Soon the men were talking about it. The thing began to make a stir. The Works Manager, George E. Emmons, who circulated continually around the plant, came in to see it, heard how it had come about, commended Steenstrup for thinking of it.

Nevertheless there were many people in that plant to whom the

whole thing seemed irregular—in a sense unorthodox. There were highly trained engineers in the factory organization, men of much technical skill. Why not go to them for ideas about improvements to the machines? Why look to a shop worker for high-grade intelligence of this sort?

So spoke the conservative. Such folks rather took it for granted that Steenstrup had done nothing brilliant; that such a device as he had got up was already in use on many machines in the Works. They not only thought this but they said it. They not only said it to each other—they said it to Steenstrup.

But Steenstrup did not mind. With naive temerity he questioned such assertions. He asked to be shown. It mattered not to him that he might be talking to the boss—or perhaps to the "big boss." And he was too earnest, too persistent, to feel more than mildly indignant at the way his idea was being received.

"This device can be applied widely in the plant—it will increase the rate of production," he patiently pointed out. "It will have much value as a means of increasing plant efficiency and protecting the men."

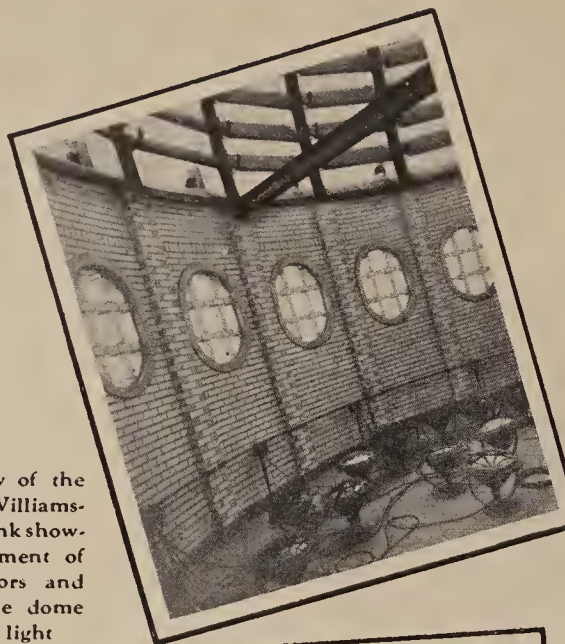
Thus he talked, and there was no one to take him seriously—no one whose particular business it was to take him seriously—until he got into the office of Emmons, the plant manager. And Emmons listened—seriously! In the end he agreed with Steenstrup!

Later Emmons appointed Steenstrup assistant foreman with authority to work at any mechanical improvements in the machines which suggested themselves to him. In fact, a year or two after that Steenstrup was placed on the mechanical superintendent's staff, with free rein to get up improvements for any department.

It was all quite startling to the officials of the old school, this business of an ordinary workman in the shops telling an official of the Com-

(Continued on page 11)

Here and There With the G-E Cameraman



An interior view of the tower on the Williamsburgh Savings Bank showing the arrangement of the G-E projectors and the slots in the dome which reflect the light



A view of Williamsburgh Savings Bank, Brooklyn, N. Y., illuminated by G-E floodlighting projectors



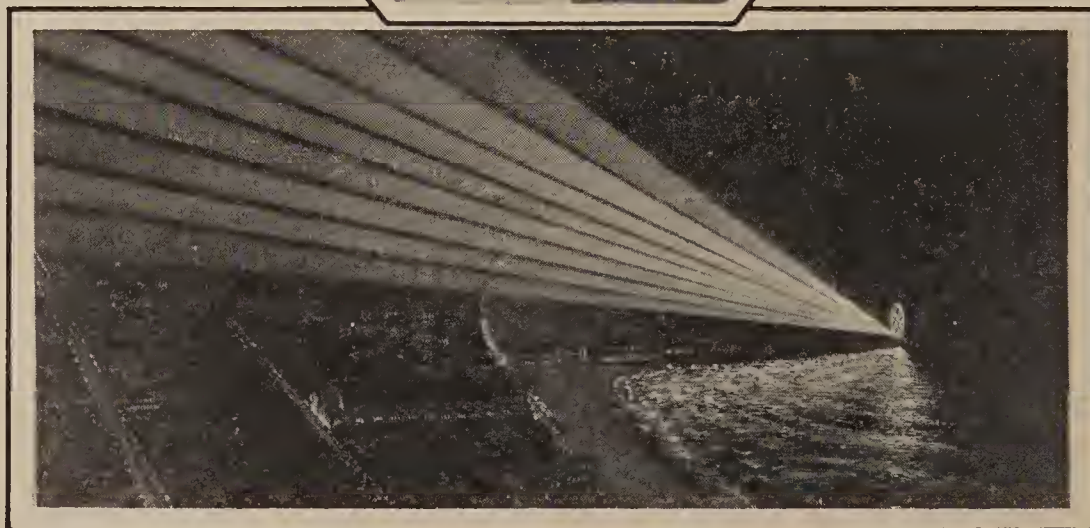
Over 500 feet below the sidewalks of New York, a new water supply tunnel similar to this tunnel now in use, will soon be constructed with the aid of G-E apparatus



President Hoover, Henry Ford, Thomas Edison and Harvey Firestone meet in Florida



Miss Ruth Campbell, of Oak Tree, N. J., sells the first stamp of the Light's Golden Jubilee commemorative issue to Charles Edison, son of Thomas Edison



The G-E sign and scintillator installed on the Million Dollar Pier, Atlantic City, N. J.

Around the World



with General Electric

Java

This year a bit of western color will add to the glamour of the Passar Gambir, annual fair and exhibition held at Batavia, Java. A G-E illuminated electric fountain of special design has been constructed, and all is in readiness for the opening day of the fair this month. There are 16 submerged floodlight projectors with red, amber, blue and clear glasses, with 1000- and 500-watt lamps. Around the central water jet, there are two concentric rings of nozzles. A magnetic switch, controlling the projector circuit and the valves, and a special motor-operated flasher gives great flexibility in producing combinations of color and water flow. Other installations of G-E illuminated electric fountains abroad include one in London and four in Bogota, Colombia.

China

The South Manchurian Railway is installing a mule-haul car dumper, and G-E will supply all the electrical equipment. The order includes two 350-hp., d-c. motors with brakes and magnetic control, some 35-MD motors, and 12 totally enclosed fan-cooled d-c. motors. Most of the equipment will be shipped this summer.

Colombia

A bottle of champagne in the hand of Senora Maria Perez de Rodriguez christened the new traffic signal system recently installed in Barranquilla, Colombia. The coming of the automobile has made the old city an entirely modern one, and the introduction of the traffic signal system heralded the change. The sedate, unhurried flow of traffic in the days of horsedrawn vehicles required little supervision, but now the thousands of autos, buses and trucks have made control imperative. G-E engineers have been studying traffic conditions in the city for years and were therefore able to install the signal system best suited to meet its requirements.

Brooklyn

G-E engineers in lighting the dome on the tower of the Williamsburgh Savings Bank in Brooklyn, found no convenient nearby roofs or towers on which to locate their floodlights, nor ledges or cornices that projected out far enough from the tower on which lights could be placed to illuminate the dome uniformly. Instead of admitting that they were stumped, they sat down and devised a method of lighting the outside of the dome from the inside. Glass, of course would never do, so they built up the curved surface of the dome with gilded horizontal louvers, as shown in the photo on the opposite page. The louvers overlap, so that during the day the surfaces appear to the eye as a solid gilded dome. And at night, the floodlights on the floor inside light the louvers, giving the appearance of a solid dome illuminated from some mysterious source of light.

New York

It may or may not be that Police Commissioner Whalen's last campaign to make Broadway dry has made it necessary to pipe a few additional millions of gallons of water to the city daily to quench the thirst of that great metropolis. At any rate, more water is needed, and more than 500 ft. below the busy streets, an army of workmen will soon be working day and night constructing a new water tunnel. This tunnel will be 20.2 miles long and 17 ft. in diameter. Its construction will involve the sinking of 16 shafts to depths varying from 500 to 850 ft., the removal of almost four million cubic yards of rock, and the use of almost three-quarters of a million cubic yards of concrete. Sixteen electric mine hoists, 62 mine locomotives, electrically-driven air compressors, drills, shovels and auxiliary equipment are being built for this job by G.E.

Argentina

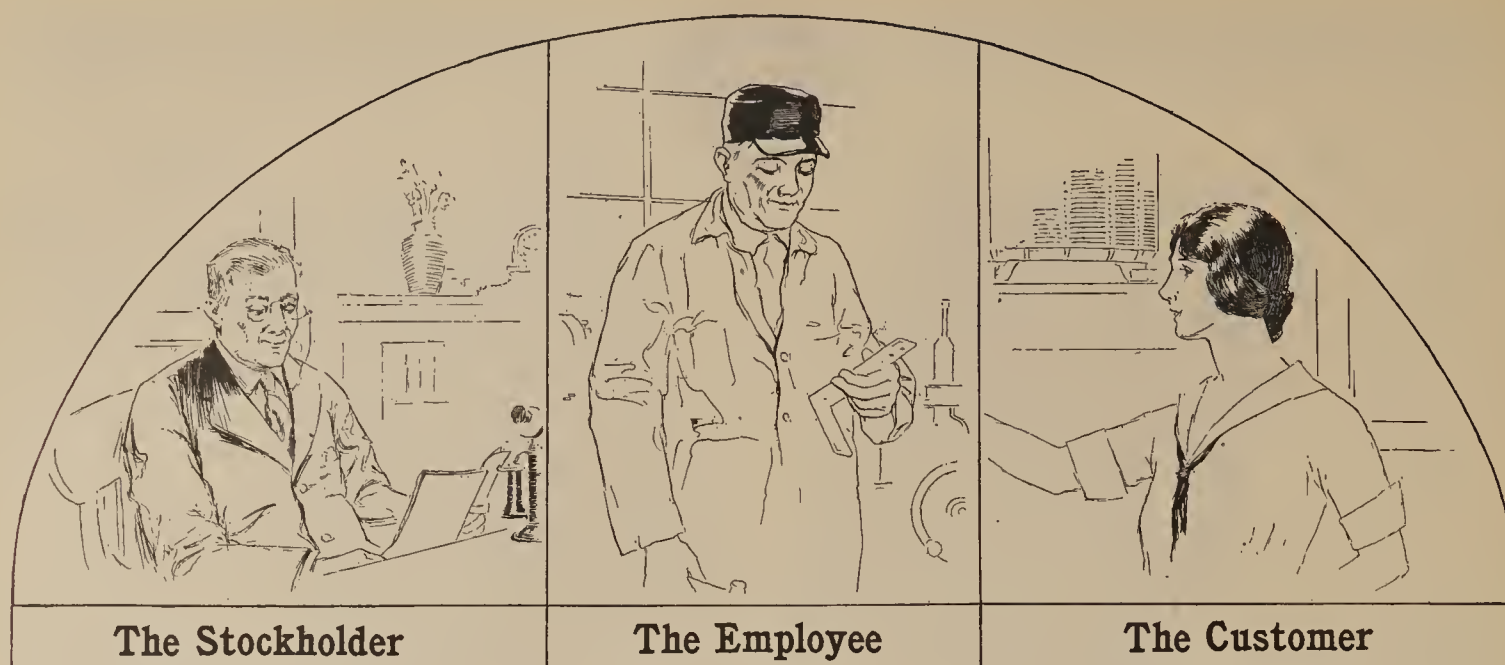
Argentina forests supplied the wood, engineers of Argentina made the design, and Argentina workmen handled the construction of the new street cars recently added to the transportation system of Buenos Aires. But G-E is supplying most of the motors. One of the most novel features of these cars is the braking system. There are no brakes on the wheels. Instead, electric braking by resistance across the motor terminals is used for all service stops, bringing the car practically to a standstill. To complete the stop and to hold the car when at rest, each motor is equipped with a drum brake similar to the internal expanding brake in use on automobile trucks. Another unique feature of these trolleys is the mounting of the starting and braking resistance on the roof of the car instead of under the floor. New cars are being put into service at the rate of 20 per month.

Iowa

The first commercial type of G-E refrigerator to be sold in the state of Iowa went to a florist. It keeps the cut flowers at the proper temperature to prevent them from wilting. The refrigerator is installed in Dransky's Department Store in Des Moines. The doors of the cabinet are glass, for display purposes, and the interior is black porcelain. It is large enough to hold some 1600 flowers.

Pennsylvania

An order for 33 carloads of G-E refrigerators, the largest single order ever received from a dealer, was recently received from the Pennsylvania Power and Light Co., Allentown, Pa. This order for 1200 refrigerators came through the Albany, N. Y., distributor, Page Morris, Inc. In two weeks our Company shipped a total of 2000 carloads, or approximately 64,000 refrigerators, to all parts of the country to meet the ever-increasing demand. And there is no sign of a let-up.



What Is Right in Industry

Business Owes an Obligation to Three Groups--Employees, Stockholders, and the Customers

By OWEN D. YOUNG

I PURPOSELY omit from this discussion the immoral things which may be done in business by weak and dishonorable men. There are here and there plain breaches of trust. There is the usual wreckage of dishonesty in different forms appearing now and then in business. Whenever it occurs, it is exploited in the headlines of the newspapers, not because it is the common, but because it is the unusual thing. The percentage of plainly dishonest things in business is very small compared with the vast total of the operations going on. There is no more need for me to discuss these cases under the title of "What is Right or Wrong in Business" than there would be for me to review cases in our state prisons or in our lunatic asylums in order to determine what was right or wrong in society. By and large, business visits very quickly its own penalties on the dishonest man.

Having suggested to you that it is not the crook in modern business whom we fear, but the honest man who does not know, I wish to review briefly some of the advances which we have made during the last thirty years, in which I have been fairly intimate with the activities of business. I may say that

during that time the moral standards of business have been advanced. A certain amount of astuteness and cleverness and sharpness of the earlier day has disap-

This is the second half of a paper written some time ago by Mr. Young, dealing with the question "What is Right in Industry?" In this last half he tells what he considers to be the obligations of business, in a manner which should interest all G-E readers.

peared. They would not work very well in large business. A storekeeper may short-measure or short-weight his customer and make a little by that method. He may even induce the clerk to short-weight or short-measure, but he can not organize a vast department store on that basis. Either his employees are honest people who would refuse to do it, or he would soon have as employees a vast organization of crooks who would beat each other and soon ruin the proprietor himself. Big business does not lend itself readily to dishonesty and crookedness. Great organizations of human beings can not be built on that theory. You can not teach an organization to steal from your cus-

tomers and object very much if your cashier takes money out of the till. Honesty and uprightness must exist in great business organizations on the simple grounds of expediency, if no other. And so as our business has grown large, I think we can say that moral standards have improved. It is safe for you to buy today under great trademarks almost anything you wish without previously examining the package. You will find quantity, quality, and price right. It may be no moral tribute to the managers of business. It may be only the result of their intelligence, for they know that any other practice spells ruin. So here, certainly, simple honesty has its own rewards.

Then, too, there is another development of the last generation which I think has tended toward improvement in our standards. Again it results from the development of big business. Let me get at it this way: Who are the persons responsible for the right or wrong conduct of a business? Two generations ago you would have unhesitatingly said: "Why the owners, of course. They are the people responsible for it." Is that answer true today? Let us look and see. Who are the owners of these big businesses like the Tele-

phone Company, or the Steel Corporation, or the General Electric Company, or the railroads? The law says the stockholders are the owners, and that is the theory. Well, there are some thousands, and frequently hundreds of thousands of them in a single corporation. Suppose you go to the school-teacher in Vermont who has a large share of her life savings invested in five shares of the General Electric Company and say to her: "Madam, you are an owner of the General Electric Company and I hold you responsible for the moral conduct of its business." What would her answer be? That she knew nothing about its business. The Company had always paid her dividends; her investment had been profitable; and she was assured that it was safe. She never thought of attending a stockholders' meeting, and would not know what to do if she did. Once a year she received a piece of paper called a proxy and did not understand particularly what it meant and so never bothered to sign it but threw it in the waste basket. That is the way she, as owner, exercises her responsibility for the moral conduct of the business of the General Electric Company. And there are 50,000 of them exercising exactly that kind of control over the moral conduct of our business. Well, suppose you go to a large investor and say to him that he owns a very large block of shares in the General Electric Company and he is in a position to exercise great influence, and you hold him responsible for the moral conduct of its business. What will his answer be? He will say: "My bankers have advised me that it is a very sound business. We have held that stock in our family for many years. It has always paid us dividends and shown us increasing value in principal. I do not know anything about the business except that I look at the financial statements. I do not even know whether the stores at which I trade sell General Electric products. I never bothered to inquire. I do not even know that my household buys General Electric products. I never thought to look. Obviously, I assume no responsibility for the material welfare of that business, and

certainly you can not expect me to be held responsible for its moral conduct—in fact, I would not know, in those complicated transactions, whether a given policy was wise or not. Clouded as the issues are, I could not know whether a course of action was right or wrong." That would be your answer. The point is that in our modern business organizations of large size, we have completely divorced ownership from responsibility. Two generations ago ownership meant responsibility. Now ownership has little or no relationship to the conduct of the business. As a result of this, we have developed managers of business, chairmen and presidents and vast executive organizations. They alone know the business. They must be held responsible not only for its material welfare, but for its moral conduct.

When this separation of ownership and management on a large scale first took place some 25 or 30 years ago, the managers of business rather considered themselves as the paid attorneys of the stockholders to get results. The code then was that the manager must get results, honestly if he could, dishonestly if he must, but get results. He must not be too scrupulous about it, because if he did not want to do what was necessary to get results, others stood ready. So we had for a time a rather demoralized situation in big business. The vast power of the great organization was frequently used through coercion to get results. Great shippers forced railroads into secret rebates, unscrupulously overcame small competitors, and so through the exercise of power in one form or another accomplished unjustifiable results. Power especially when newly acquired always leads to excesses. Our early motor-car drivers were much more lawless than the present ones.

Then came a new idea in management. It is not yet full grown, but it is showing signs of rapid development and the greatest promise. I must say that I think the new idea sprang largely from the fact that lawyers were advanced to high management positions. This was initially done because our laws

became so complex that for a time it was difficult for anyone except a lawyer to run a big business and keep within the law. While that was the reason for the lawyer coming into these positions, the result was quite different from that anticipated. If there is one thing that a lawyer is taught, it is knowledge of trusteeship and the sacredness of that position. Very soon we saw rising a notion that managers were no longer attorneys for stockholders; they were becoming trustees of an institution. Now that is a great change. If you will pardon me for being personal, it makes a great difference in my attitude toward my job as an executive officer of the General Electric Company whether I am a trustee of an institution or an attorney for the investor. If I am a trustee for the institution, who are the beneficiaries of the trust? To whom do I owe my obligation? My conception of it is this: That there are three groups of people who have an interest in that institution. One is the group of fifty odd thousand people who have put their capital in the General Electric Company, namely, its stockholders. Another is a group of well toward 100,000 people who are putting their labor and their lives into the business of the General Electric Company. The third group is composed of the customers and the general public.

Now, as a trustee for these three groups, what would I most desire in the interest of all? First, that the credit of the institution should be so good that it could get its capital at the lowest rate even under the worst conditions. In other words, one would desire an option on capital supply. Failing in this, there would be no plant nor tools for labor. Workers would lose their jobs and customers would lose their product. In order to obtain an option on capital, it would be necessary to bulwark the institution adequately with reserves and thereby guarantee the safety of the capital and the continuity of its return. It would be necessary to have good relations with labor and a good market for the product, because that too is a guaranty of a continuous income to the investor. After

(Continued on page 12)

Charles F. Brush, Arc Lamp Inventor, Dies

CHARLES Francis Brush, one of the country's most noted inventors and scientists, a pioneer in the field of electrical engineering, a philanthropist and humanitarian, died at Cleveland on June 15, after a two weeks' attack of pneumonia which followed bronchitis. He was 80 years old.



Charles F. Brush

Mr. Brush was born March 17, 1849, in the Township of Euclid, Cuyahoga County, Ohio. He obtained his education from the Cleveland schools and the University of Michigan, having been graduated from the latter in 1869 with a degree in mining. He began work in Cleveland as an analytical chemist, but soon turned to electricity.

He began experimenting with dynamos and arc lamps in 1876. It is said that the first little arc light dynamo he designed was assembled in a "laboratory" and workshop at the family estate at Wickliffe, Ohio, and first driven by a team of horses operating a treadmill. It supplied sufficient current for one arc lamp, generating 10 amperes at about 45 volts for the purpose.

Within two years he had a commercial system of arc lamps on the market, demonstrations of which were given in Cleveland and elsewhere. The arc light system installed in New York City in 1880 was a product of his genius. He is sometimes called the father of the commercial arc lamp.

The manufacture of the system was taken up by the old Telegraph Supply Company of Cleveland, which was reorganized in 1880 as the Brush Electric Company. The latter had a flourishing career, built a large plant—one of the first modern factories in Cleveland—and installed Brush lights by means of arc light central stations in all sections of the United States. The lamps were used for street lighting and for illuminating public halls, audi-

toriums, theaters, hotels, factories, and large stores.

In 1889, the company was acquired by the Thomson-Houston Electric Company of Boston and Lynn, and when in 1892, the company was consolidated with the Edison General Electric Company to form the present General Electric Company, the Brush plant, patents, products and business became the property of General Electric. Brush arc lamps and Brush dynamo machines were for years important factors in the activities of our Company. Mr. Brush retired from association with manufacturing when his company was purchased by the Thomson-Houston Company, and devoted his time to experiments in his private laboratory.

One of his latest notable deeds was the establishment of the Brush Foundation for population study and the betterment of humanity. He instituted this in memory of his son,

Charles F. Brush, Jr., who died in 1927, and endowed it with half a million dollars.

Mr. Brush was decorated by the government of France as Chevalier of the Legion of Honor in recognition of his discoveries in electricity. He held honorary degrees from several universities and colleges; a Rumford Medal for development of the arc light; the Edison Medal from the American Institute of Electrical Engineers, and the Franklin Medal from the Franklin Institute.

He was a fellow of the American Association for the Advancement of Science, American Academy of Arts and Sciences, American Geography Society, North British Academy of Arts, and the American Physical Society.

Mr. Brush was one of the great figures of a great era in electrical history, and his place in the annals of the art is assured.

Golden Jubilee Postage Stamp Issued

POSTMASTERS and others connected with the Postal Service have been notified that the U. S. Post Office Department is issuing a new two-cent postage stamp to commemorate the 50th anniversary of the production of the incandescent lamp invented by Thomas Alva Edison.

The new stamp is the same size as the two-cent ordinary stamp, 75/100 by 87/100 inch, and is printed in red. The central design is a picture of the original lamp with rays issuing therefrom. Immediately above and partly encircling the lamp is a ribbon with the words "Edison's First Lamp;" above this

and reaching the top of the stamp is a semicircular panel with the words "United States Postage" in white Roman letters. In both upper corners are ribbon scrolls with the year "1879" at the left and "1929" at the right. On either side of the lamp and through the rays of light appears the following legend: "Electric Light's Golden Jubilee." The white numeral "2" appears in both lower corners within dark circles, which are connected by a dark panel forming the base of the stamp and containing the word "Cents" in white Roman letters.

The new Edison commemorative stamp was first placed on sale June 5, at the post office at Menlo Park, N. J. It was announced that the stamps will be available at other postoffices and at the Philatelic Agency, Post Office Department, Washington, D. C., as soon after that date as production will permit.

G-E employees who wish to use these stamps instead of the ordinary two-cent stamps may obtain them at their post offices.

*Spend Your
Vacation
Safely and Wisely*

Don't Let Vacation Ruin You!

Take a Few Simple Precautions and You Won't Have to Spend a Lot of Time Recovering When You Get Back

By DR. H. W. GARTON, *Fort Wayne Works Physician*

THIS year, due to the new vacation plan, there will be thousands more G-E employees than ever before who will enjoy vacations with pay. But from the records of other years, there is sure to be a certain percentage of them who will spoil the vacation period by acts of indiscretion or carelessness. Poison ivy, red ants, snakes, sunburn, jagged rocks and diseases will all take their toll among unwary vacationists, and they can lay the blame on nothing but their own disregard of certain common sense rules and precautions.

Though no one starting on a vacation likes to think of the unpleasant things that might happen, it is wise, in order to get the greatest benefit from the period, to consider some of the following hints.

For those taking an automobile trip, or camping, or both, a few first-aid supplies are as necessary as a spare tire. A small bottle of half-strength tincture of iodine for use in fresh wounds, sterile gauze pads for dressings, bandages and adhesive are essential. A tourniquet is handy, but it is more important to know how to use one than it is to have one in the kit, for one can always be improvised as needed. Ask your Boy Scout friend.

For campers, the water and milk supply and protection against flies are important in the prevention of typhoid fever and other intestinal infections. Nearly every fall brings its crop of typhoid fever victims, traceable to infected food, water or milk. Water can always be made safe by boiling. Also, typhoid fever is preventable by vaccination.

Poison ivy is a perennial bane to

vacationists. The offending substance is of a resinous nature and actual contact with the plant is

most important to distinguish between these two conditions.

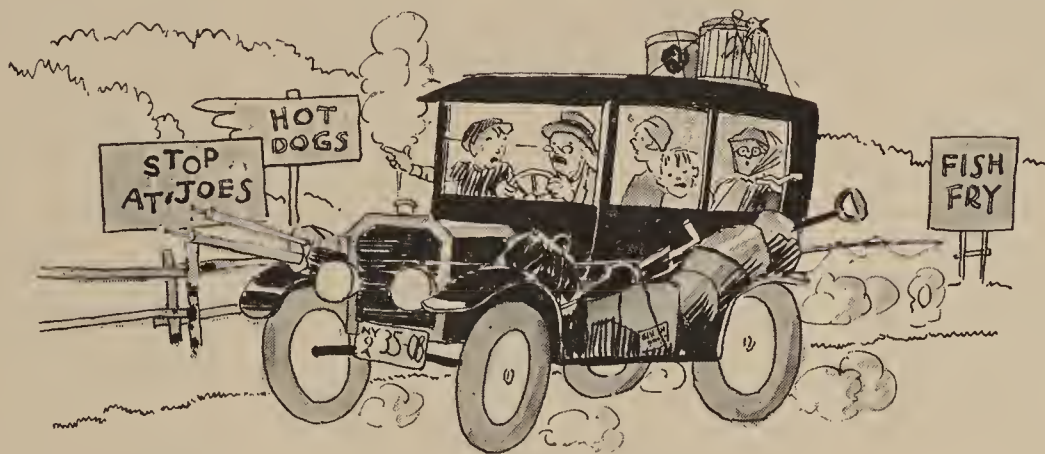
A nut brown skin is in vogue this summer. In acquiring a tan, many people attempt it too rapidly and produce severe burns. Tanning, if desired at all, should be done gradually. Burning and blistering of the skin through exposure to the sun causes an injury, much as any other burn

does, and when inflicted on the first day of a vacation, reaches the height of disagreeableness about the end of the vacation period.

Poisonous snakes still exist and occasionally they bite. Protection of the legs in cross country hikes, where poisonous snakes are known to exist is good practice. First aid treatment of a poisonous bite consists of the application of a tourniquet, if the bite is on the leg or arm, between the wound and the heart; sucking of the wound, provided there are no open sores in the mouth of the first-aider; enlargement of the wound by actual cutting to secure free bleeding, and burning of the wound with a hot wire or other piece of metal if this is possible, or by use of strong ammonia or potassium permanganate. The tourniquet should be loosened gradually every fifteen or twenty minutes, so that whatever poison remains in the wound will be released into the blood stream in small doses. If loosening it makes the victim's condition worse it should be immediately reapplied for another period.

August has always been accused of being the month of "dog days," but we know that mad dogs, whose bites cause rabies or hydrophobia,

(Continued on next page)



necessary to produce poisoning. The effects are local (confined to the skin) and the poison is not carried in the blood. Some people are highly susceptible to it, some are almost immune. If immediately after exposure, the parts of the body known to be affected are washed with soap and hot water, poisoning can often be prevented. A general hot bath and change of clothing are also desirable. If poisoning develops, the local application of wet compresses of a strong solution of Epsom salts constitutes one of the best methods of first aid treatment for the beginning stages of this condition. Poison oak and sumach produce poisoning similar to that of ivy. An extract of poison ivy has been used with good results both in the prevention and treatment of ivy poisoning.

Sun stroke and heat stroke, both identical in effect, are characterized by an excessively high temperature of the victim. The body surface is hot, face flushed, pulse full and bounding. The treatment indicated is to cool the body surface by the application of ice or cold water. Heat exhaustion is the opposite condition. The body surface is clammy, pulse weak and rapid, face pale. The treatment is the opposite of that of heat stroke. It is

The Coming Trades of the World

A Story for Boys

By C. M. RIPLEY

THE electrical trade and the machinist's trade are probably the coming trades of the world. A young man makes no mistake in learning either—*thoroughly*. A few years seems a long time for a boy to look forward to, but it is almost nothing for a man to look back upon. Do not fail to master one trade while you are young.

But no boy should learn a trade which will be obsolete during his lifetime. The work of the motor mechanic has almost displaced the work of the horse shoer; the machinist and electrician will displace those who are harness makers. Look ahead and choose your trade wisely. Have "vision" of what the future demands.

A public official tells the following story in which every boy should be interested, not only those in the grade schools, but those in the high school as well. Here is the story:

On a cold winter's day an educator was addressing several hundred boys in the school auditorium. He said:

"I want every boy here to hold up his right hand if he will be will-

ing to shovel the snow off of my sidewalk next Saturday afternoon for \$1."

Five hundred hands shot up into the air.

Then he said:

"But I only have one house, and so each of you boys has only one chance in 500 of getting the job. The odds are 500 to 1 against you."

Then he said:

"I want every boy here to hold up his right hand who will be willing to paint my house, mix his own paint, do a first-class job."

Fifty boys held up their right hand, and the speaker said:

"Each of you 50 boys have just one chance in 50 of getting the job; the odds are 50 to 1 against you."

Then the speaker said:

"I want a new electric chandelier hung in my dining room, and the wiring must be done according to the Underwriters' specifications. Any boy that can do this job please hold up his right hand."

Only one boy held up his hand.

"Now," said the speaker, "this shows that for plain labor like shovelling the snow—the chances are 500 to 1 against you; for more skillful work like painting you have one chance in 50; but in expert work like electric wiring, the boy who held up his hand is sure of his job."

"This should show every one of you boys that it pays to work at some kind of a job which will teach you to become expert."

Vacation Pointers

(Continued from page 9)

do not limit their operations to any particular month. If you are bitten by a dog suspected of having rabies, do the following things:

1. Secure immediate treatment of the wound.
2. Do not kill the dog, isolate it. If it has rabies, it will die and the head can then be sent away for examination.

3. Place yourself in the hands of a physician, who will advise you whether or not you should take the Pasteur treatment. Rabies is an incurable disease, once it develops, but it is preventable. It develops slowly, so that there is ample time after the bite for the giving of the preventive treatment.

Deep puncture wounds, those inflicted by gun powder, and other deep wounds which do not bleed freely, especially if contaminated with dirt, manure, etc., are dangerous because of the possibility of lock-jaw. This is another dreaded disease most difficult to cure, that preventable by the giving of a protective dose of anti-lock-jaw serum.

Do you know how to give artificial respiration by the Schaefer prone pressure method, to victims of drowning, electric shock, gas poisoning or asphyxiation from smoke, fumes, etc.? If not, learn it before you start your vacation. It is by far the most successful of present day "life savers."

Vacation time, regardless of where it is spent, should be a time when the daily routine of the job is left behind. It need not necessarily be a period of loafing. It may be a change of occupation. For most people vacation is a period of better, more vigorous living, resulting in a rejuvenation, a throwing into high gear, of the physical and mental processes. A successful vacation should result in an improvement in body functions that will continue after the vacation has ended.

Old Copies of General Electric Review Requested

Due to an increasing demand, back copies of the GENERAL ELECTRIC REVIEW are needed to supply the many calls of customers and members of our organization. Any employee having old copies not in use is urged to send them directly to the REVIEW office.

A shortage exists of the following issues: All of 1920 and 1921; March, April, July, and November, 1926; January, June, August, and December, 1927; and January, February, and May, 1928.

Nursing Service Dropped

In the past, under the terms of the Group Insurance Plan, free nursing service was provided for employees holding additional insurance policies. It has been found, after years of trial, that no substantial use was made of this service by the employees. It has therefore been discontinued, as of July 1. Any employee who is sick at the present time and is using this service may, of course, continue it until he recovers.

Suggestion System

(Continued from page 3)

pany how the plant could be run more efficiently!

And the two men responsible for it were the workman and the manager—Steenstrup, the young tool-maker, who could not even speak English without an accent, and Emmons, the responsible executive.

From it came the Suggestion Committee as now operated, under which General Electric pays every year upwards of \$50,000 to an average of 5000 of its employees among its various plants, who have suggested practicable improvements. The awards run from \$5 to \$500. They have gone as high as \$1000. This award was given to a young Test student in the Electric Refrigeration Dept.—the department, by the way, where Christian Steenstrup now holds the position of engineer-in-charge.

Steenstrup has always considered Emmons the originator of the present efficient suggestion system. But he readily admits that Emmons merely followed up his own original suggestion and the germ idea which was back of it.

At present, in all the Works of General Electric, a permanent, official suggestion committee not only hears and fairly considers all suggestions offered, but systematically campaigns to interest the men in making suggestions.

No suggestion is ignored. If it proves impracticable, the man who suggested it is told just why it could not be adopted. If he desires, he receives a hearing in the matter. And these committees are among the busiest groups in the entire organization. In 1927 they handled suggestions from 15,000 men, 500 more than during the previous year; and in 1928 more than 18,000 were handed in.

Some of these ideas were useful in the extreme. Many of them drew attention to workmen whose abilities were previously unknown and unsuspected. Such men have frequently found that the Suggestion System has brought them higher positions, better work, increased pay. They have found the Suggestion System to be very worthwhile.

Death Claims Paid, Disability Claims Allowed During May, 1929

Death Claims

Years	Date of Death	Employees	Age	Beneficiary	Free Ins.	Add'l Ins.
<i>Schenectady Works</i>						
18	Feb. 5	Vincenzo Pasquariello.....	44	Mother	Yes	Yes
25	Apr. 12	John F. Benzie.....	72	Wife	Yes	Yes
27	Apr. 20	Boleslaw Cheski.....	59	Wife	Yes	Yes
11	Apr. 23	Joseph L. Starr.....	71	Wife	Yes	Yes
22	Apr. 25	Floyd G. Alden.....	45	Wife	Yes	Yes
10	Apr. 26	Ambrose V. Kelly.....	38	Wife	Yes	
20	May 3	John R. McVeigh.....	63	Wife	Yes	Yes
1	May 7	Mary M. Barber.....	35	Husband	Yes	Yes
6	May 8	Frank DeLucas.....	33	Wife	Yes	Yes
29	May 9	John E. Fink.....	54	Wife	Yes	Yes
19	May 11	Peter D. Boyd.....	71	Wife	Yes	Yes
28	May 13	Charles Nitz.....	51	Wife	Yes	Yes
6	May 16	John W. Matson.....	39	Wife	Yes	Yes
29	May 20	Luman P. Slingerland.....	49	Wife	Yes	Yes
<i>River Works</i>						
1929						
13	Feb. 2	John Connolly.....	44	Children	Yes	Yes
13	Apr. 29	George F. Winslow.....	54	Wife	Yes	Yes
15	May 4	Saluste Belanger.....	68	Wife	Yes	Yes
10	May 12	William H. Allen.....	59	Wife	Yes	Yes
11	May 18	Arthur J. Amelotte.....	28	Wife	Yes	Yes
27	May 23	Burtis Anthony.....	72	Niece	Yes	
<i>West Lynn Works</i>						
21	Apr. 27	Robina B. Kidd.....	37	Mother	Yes	Yes
32	May 2	Charles F. Dalton.....	63	Wife	Yes	Yes
13	May 15	Henry L. Farrington.....	56	Wife	Yes	Yes
<i>Pittsfield Works</i>						
16	May 11	William J. Tierney.....	51	Wife	Yes	Yes
12	May 23	Milo G. Fisher.....	58	Wife	Yes	Yes
<i>Erie Works</i>						
20	Apr. 26	Alexander F. Sutherland...	55	Wife	Yes	Yes
<i>Ft. Wayne Works</i>						
5	May 8	John P. Christman.....	43	Wife	Yes	Yes
<i>Bloomfield Works</i>						
1928						
6	Dec. 4	Arthur Bluth.....	60	Wife	Yes	Yes
1929						
3	Apr. 11	George Hovers.....	46	Sister	Yes	
9	Apr. 12	Thomas P. Rice.....	54	Wife	Yes	Yes
<i>Merchandise Dept.</i>						
2	Feb. 8	John Zelnik.....	38	{Wife and Children	Yes	Yes
1	May 14	Peggy L. Hiltz.....	19	Brother	Yes	
<i>Philadelphia Works</i>						
2	Jan. 9	John E. Anderson.....	26	Father	Yes	Yes
<i>General Office</i>						
28	Apr. 27	Edmund P. Edwards.....	52	Wife	Yes	Yes
5	May 25	Sarah E. Marhafer.....	45	Husband	Yes	Yes
<i>New York Office</i>						
7	May 10	John Johansen.....	54	Wife	Yes	Yes
<i>San Francisco Office</i>						
22	May 19	David T. Rutledge.....	48	Wife	Yes	Yes
<i>Portland Office</i>						
3	Feb. 20	Lewis Van Derveer.....	48	Mother	Yes	
<i>Incandescent Lamp Dept.</i>						
7	May 5	Fred Roark.....	47	Wife	Yes	
3	May 15	Margaret Ramas.....	25	Mother	Yes	Yes
9	May 17	Ulrich Bauser.....	62	Wife	Yes	Yes
			Free Insurance		Add'l Insurance	
			No.	Amount	No.	Amount
Claims paid month of May 1929.....			39	\$ 51,213.47	36	\$ 61,500
Claims paid previously reported 1929.....			140	162,350.02	134	215,000
Total claims paid 5 months 1929.....			179	\$213,563.49	170	\$276,500

Disability Claims

Years	Date of Death	Employees	Age	Add'l Ins.
<i>Schenectady Works</i>				
11	May 1	Daniel Murray.....	58	Yes
22	May 17	Christ C. Benkert.....	54	Yes
<i>River Works</i>				
5	May 1	Charles Hood.....	33	Yes
<i>Ft. Wayne Works</i>				
26	May 1	Louis P. Wright.....	54	Yes
10	May 3	Joseph G. Dehner.....	37	Yes
Disability claims granted May, 1929.....			5	\$9,000
Disability claims previously reported, 1929.....			21	33,000
Total claims granted 5 months, 1929.....			26	\$42,000
Total Death and Disability Claims paid since Jan. 1, 1920.....				\$5,033,441

What Is Right in Industry

(Continued from page 7)

one has the capital supply insured, he would wish a call on the labor supply. He would want his workers to feel that the institution was a good place to work and that the wages were as good or better than anywhere else; that men's rights to their jobs were respected, and that continuity of employment was at least better than in other plants. Given these things, the institution would have an option on its labor supply and might be expected to be free from labor difficulties. Third, one would want the product to be so good and the price for it so reasonable that buyers would prefer it to other products and so take it in slack times as well as good. In other words, one would want an option on the market. With these three options, one on capital, another on labor, and the third on the market at all times, the trustees could feel that the institution had reached its maximum safety for the three groups of which he was trustee. True it is, in addition the concern must meet its public obligations and perform its public duties—in a word, it must be a good citizen.

I think what is right in business is influenced very largely by the growing sense of trusteeship which I have described. One no longer feels the obligation to take from labor for the benefit of capital, nor to take from the public for the benefit of both, but rather to administer wisely and fairly in the interest of all.

And now I come back to my first point. It is no simple matter to determine right and wrong, even as

between the groups which I have indicated. To protect capital one must build up reserves against bad years of unforeseen contingencies. To grant fair wages or high wages and adequately pay employees means adjusting the price so as to provide income adequate to do it. To try to increase a price for the sake of labor without regard to whether your labor is efficient, productive, and progressive, would be to take the road to ruin. It would be distinctly wrong. It would destroy continuity of employment, because one morning we would wake up and find our business gone; our price too high; a product not good enough; employees discharged. Just what is right in all cases we can not foresee even with the greatest effort. We make mistakes. We learn from our mistakes. We try to correct them in the future. Turbines will blow up, notwithstanding the multiplication table, occasionally when the engineers misapply the rules. Capital will get too much, or labor too little, or the public not enough occasionally, when the management misjudges the application of the golden rule to the complicated problems which we have. But by and large, looking over the quarter of a century with which I have been familiar, I am pleased with the rapid progress which we are making toward the right in business. We are not perfect and never shall be, but we are now training young men with a sense of these great responsibilities and we are providing them experience from our own mistakes. It is our one consolation for making them. As time goes on, I feel that the right in business will more and

more prevail. The larger business becomes, the more scrupulously careful the administrators of it will be. We have had much difficulty with questions of technical competence and moral responsibility in the offices of aldermen, but we have had practically none in the great office of President of the United States. Somehow, as responsibility increases, men are found big enough to meet adequately the great questions of right and wrong which come to them. So I welcome big business and big responsibility, not in the fear that it will make business wrong, but in the hope and belief that it will make business right.

After I had written the foregoing statement out of my own experience, I happened to be examining last night a little manuscript of Emerson which I own, and there I found this statement written 100 years earlier, not out of his experience but out of his head:

"The habit of directing large affairs generates a nobility of thought in every mind of average ability. For affairs themselves show the way in which they should be handled and a good head soon grows wise and does not govern too much."

And so with your permission, I will reverse the usual practice and leave you my text from Emerson last. You may preach your own sermon and then you will be pleased with it.

Safety Contest Close

THERE is a close race between Bloomfield, Pittsfield, Oakland and Fort Wayne in the Inter-Plant Accident Prevention Contest, according to the report of the committee for May. The slim margin of .11 separates Bloomfield and Fort Wayne. New Kensington and York still lead with a clear record for the year. An asterisk denotes improvement over the previous month.

New Kensington	Oakland
York	*Fort Wayne
*West Lynn	*Philadelphia
*Baltimore	Erie
Bridgeport	*ALL PLANTS
Bloomfield	*River Works
*Pittsfield	*Schenectady

GIRLS' SECTION

Elex Club Enjoys Week-end Party at Camp Yarnelle

EVERYONE was on hand at the "Y" when the autos were ready to leave for Camp Yarnelle on June 8, and long before 2 o'clock the Elex Club girls were on their way to Winona Lake, Ind., to spend the week-end.

On arriving, of course, the first thing was to pick a bed and make it up for the night. Some preferred the top deck and some the lower deck of the double beds, but all were assured of an abundant supply of fresh air as there were windows and doors all around the room. A few of the more ambitious immediately went for a swim, but the majority of the girls decided to wait until the next day. Those who had not been there before embarked on a tour of inspection and found the prospect an exceedingly pleasant one.

When supper was announced, what a hungry bunch sat down! It was pleasant not to have to get the meal, as heretofore the girls had always done their own cooking. This time we had Mrs. Edna Dowden and Mrs. Fred Walda to cook for us, and even to wash dishes, so the girls didn't have to do a thing, although some assisted with the serving and the clearing of the tables.

Immediately after supper came the query: "Who's going to town tonight?" The majority of those present raised their hands, and an hour or so later practically the whole crowd set out for Warsaw. A few preferred to spend the evening quietly at camp. Saturday night is always a big night in Warsaw and the girls enjoy visiting the stores, making small purchases, and patronizing the picture show or the bowling alleys, and then coming home late at night and raising such a rumpus that sleep is impossible for those who stayed behind. Long after midnight the excitement keeps up—stealthy movements around the room, a loud voice raised in protest against some playful trick, a snicker over in this corner, a few giggles over in that. When the light is finally put out it has to be turned on at intervals to allow the occupant of some bed to rearrange the cover which someone has thoughtfully pulled off. Everyone suspects that a trick will be played on her, and no doubt would be disappointed if there wasn't. For some reason or other, Hilda Walda is always being accused of whatever pranks are going on.

But at last the room quiets down, the light is turned on and off for the last time, and gradually the various culprits drop off to sleep and there is peace.

Of course, having gone to sleep at 2 o'clock, no one cared to get up much before eight the next morning. A dip in the chilly water set nerves a-tingle and blood coursing through the veins. The air wasn't so cold after one had stirred around awhile. After breakfast was over, those who desired to do so went to church at Warsaw, while the others occupied themselves in boating, playing tennis, reading, hiking, and gathering flowers for the table. Jo Magers and her carload of girls almost missed dinner because she got stranded in War-

saw with engine trouble. However, she finally arrived, having had a garage man discover the source of her trouble, and everybody fell to with a will. It didn't take long to dispose of that dinner, and it certainly tasted good. We didn't make any mistake in choosing our cooks.

The rest of the day proceeded just about like the morning, with each girl doing just as she wished, and thoroughly enjoying the beautiful day. The weather proved to be ideal. Everyone was sorry when the time came to go home. The last carload did not leave until about 7:30.

The following are the club members who enjoyed this outing at Camp Yarnelle: *Meter Dept.*: Beatrice Suttor, Marie Smith, Mae Wolfcale, Velma Schroeder, Florence Case, Helen Stahl, Myrle Strauss, Ethel Dubois, Lenora Schoppman, Josephine Magers, Genevieve Magers, Eva Beckman, Irene Meyers. *Transformer Dept.*: Bernice Jenkins and Marie Blough. *Small Motor Dept.*: Margaret McKee, Ivena Ziegler, Mildred Magers, Lavada Ramsey, Hilda Walda, Mary Armstrong, Mildred Shoemaker, Ruth Holle, Esther Moll, Lois Miller, Mary Thomas. *Main Office*: Louise Hilger, Tressie Singrey, Irene Stier, Clara Ankenbruck, LaVera Vail, Margaret Sappington, Genevieve Lot-hamer.

We also had Miss Amison, industrial secretary at the "Y," and Miss Childers, of the health education department, with us.



"Poosh 'Em Up, John"



Serenade

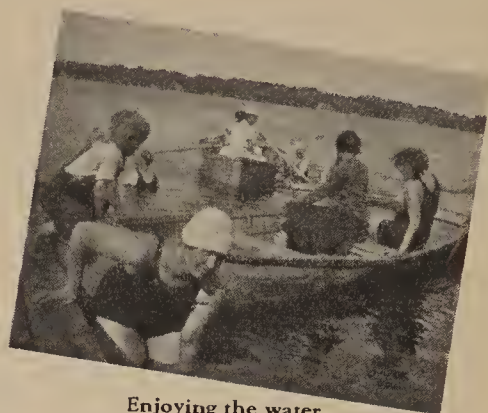
The Week-end at Camp Yarnelle



Drifting and dreaming



Heads up



Enjoying the water



Three deck



Miss Amison



After a hard game of tennis



The whole gang



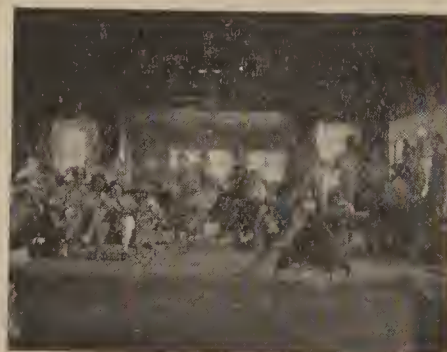
After a big meal



The crew returns



Swat 'em Jo!



Taking it easy at Wa-ke-ya



Ready to go home

Showers for Two Meter Dept. Brides

ON June 17, Mrs. Bessie Shaffer and Helen Stahl united in entertaining a group of girls at the home of Mrs. Shaffer on Cottage Ave. The occasion was a miscellaneous shower honoring Ireta Erwin, Meter Dept. The group played bunco, and prizes were awarded to Hannah Bartlett, Dorothy Rebber and Dewey Wickliffe, who in turn presented them to the honor guest.

At a late hour a luncheon was served to the following girls: Ireta Erwin, Cecil Linker, Dorothy Rebber, Addie Stevenson, Irene Meyers, Bessie Smith, Hannah Bartlett, Elizabeth Mosiman, Grace George, Lydia Plummer, Elizabeth Erwin, Velma Beyerly, Genevieve Magers, Clara Henry, Helen Stahl, Edith Holle, Marcella Halrack, F. Buckmaster, Dewey Wickliffe, and Mrs. Bessie Shaffer.

* * *

Honoring Dorothy McBride, Genevieve Neher entertained a group of girls from the Meter Dept. at her home at 3317 So. Smith St., June 20. Progressive bunco was played during the evening. Catherine Wise and Mae Wolfcale were awarded the prizes in the bunco contest. Later in the evening a shower of lovely gifts was presented to Miss McBride, and luncheon was served.

Present were the honor guest and hostess and Beatrice Suter, Catherine Wise, Mae Wolfcale, Mildred Beard, Constance Arnold, Mary Zollinger, Katherine Wilder, and Vigo Jensen.

Weddings

Cramer-Cook

Lola Cook, Meter Dept., Bldg. 26-4, was married June 3 to David Cramer, of Columbia City. Emma Meising attended as bridesmaid. Following the wedding dinner the couple left for a two weeks' trip in Northern Michigan, and are now at home on Courtland Ave.

Wohlford-Class

In a pretty ceremony at the Methodist Church in Huntington, on June 8, Beulah Class, Small Motor Dept., Bldg. 4-5, became the bride of Dale E. Wohlford. Iva Stults attended the bride as maid-of-honor and Blanche Delp and Ruth Wohlford were bridesmaids. Little Erma Hurdle was

flower girl and Martha E. Hughes was ringbearer. Charles Stults attended as best man and D. Wygant and Chester Askley were ushers. Following the ceremony a wedding dinner was served at the home of the bride's parents and in the evening a reception was held. Later in the evening the young couple left on a wedding trip. Mr. and Mrs. Wohlford are now at home at 1119½ Broadway.

Flaucher-Archbold

On June 9, the wedding of Delpha Archbold, Transformer Dept., Bldg. 26-2, and Lester Flaucher took place at the Simpson M.E. Church with the Rev. Martin officiating. Later on a wedding dinner was served at the home of Mr. and Mrs. W. Wasson of Michigan Ave., an aunt of the bride. The young couple are now at home to their many friends at 1622 E. Lewis Street.

Bobay-Kilfoy

On June 11, Violet Kilfoy, Blue Print Dept., Bldg. 18-5, and William Bobay were united in marriage at St. Vincent's Catholic Church. Dorothy Kilfoy, sister of the bride, was bridesmaid and Dan Distle served as best man. Following the ceremony a wedding breakfast was served at the home of the bride's parents, Mr. and Mrs. F. G. Kilfoy, Coldwater Road. Mr. and Mrs. Bobay are residing on the Illinois Road. Mr. Bobay is employed at the Dudlo Mfg. Co.

Peden-Weaver

The marriage of Ruth Weaver, Meter Dept., Bldg. 19-5, and Cloyce Peden, Winter Street Plant, took place on June 12, at the Cathedral with Rev. Suelzer officiating. The bride was attended by Bertha Herilig and Cecelia Meyer, as maid-of-honor and bridesmaid respectively. Olive Weaver, a niece of the bride, was flower girl, and her nephew Jimmy Weaver was ringbearer. Maurice Sordet, Meter Dept., Bldg. 26-5, served as best man. Following the ceremony a wedding breakfast was served to 40 guests at the home of the bride. Mr. and Mrs. Peden are residing at 517 Prospect Ave.

Beck-Welch

Magdalen Welch, Service Bureau, Bldg. 18-2, and Paul Beck were united in marriage on June 12. The ceremony took place in the rectory of St. Patrick's

Catholic Church with Rt. Rev. Msgr. Joseph Delaney officiating. The couple were attended by Louise Welch, a cousin of the bride, as bridesmaid, and Frederick Beck, a brother of the groom, as best man. Following the ceremony a wedding dinner was served at the Catholic Community Center and in the evening a reception was held at the home of the bride's parents, Mr. and Mrs. George Welch, of 2708 Hoagland Ave. Later Mr. and Mrs. Beck left on a wedding trip through the east and are now at home at 2301 Lynn Ave. Mr. Beck is the son of Mr. and Mrs. William Beck, 1309 Rockhill St., and is a salesman with the John Hancock Insurance Company.

Bailey-Macklin

The marriage of Flossie Macklin, daughter of Mr. and Mrs. John M. Macklin of Bryan, Ohio, and William Bailey, son of Mr. and Mrs. Edward Bailey, 812 High St., took place on June 15, at the Cathedral of the Immaculate Conception. Alice Gladeaux attended as bridesmaid and Earl Gerardot was best man. Eleanor Bailey, a niece of the groom, was flower girl and Harry Bailey, a small brother of the groom, was ringbearer. After the ceremony a wedding dinner was served at the home of the groom's parents. Later the newly wedded couple left on a motor trip through Ohio. They are now at home at 347 Dunwood Drive. Both Mr. and Mrs. Bailey are in the Transformer Dept., Bldg. 26-2.

Grotrian-Springer

The marriage of Bertha Springer, Small Motor Dept., Bldg. 4-5, and Raymond Grotrian, Winter St. Plant, took place at St. Mark's Lutheran Church, Yoder, on June 16. The wedding march was played by Prof. P. J. Springer, of Pemberville, Ohio, an uncle of the bride. Clara Grotrian, a sister of the groom, attended the bride as maid-of-honor, and Dorothy Springer and Meta Springer, cousins of the bride, were bridesmaids. Bernice Lepper, a niece of the groom, was flower girl, and Raymond Lepper, a nephew of the groom, was ringbearer. Oscar Springer, a brother of the bride, served as best man, and Ervin and Carl Grotrian were ushers. After the ceremony a wedding dinner was served to 175 guests at the home of the bride's parents, Mr. and Mrs. Adolph Springer, near Yoder. Later the young couple left on a wedding trip through the east. Mr. and Mrs. Grotrian are now residing with the bride's parents.

Frederickson-Borings

Sarah Borings, Meter Dept., Bldg. 26-4, was married on June 17 to Wayne Frederickson, of Leo. The ceremony took place at the parsonage of the Church of Christ with Rev. E. A. McKim officiating. Betty Wenk attended as bridesmaid. After the cere-



Water Lilies—Lake Maxinkuckee. Photo by M. L. Norris
Where the black bass lurk

mony a wedding supper was served at the home of Mrs. Anna Leonard. Mr. and Mrs. Frederickson are living at 1921 W. Main Street.

Bowersox-Rastetter

Hilda Rastetter, Sales Office, Bldg. 18-1, and James J. Bowersox were united in marriage on June 19, the ceremony taking place at St. Mary's Catholic Church. Ann Rastetter and John Rastetter, sister and brother of the bride, were the attendants. Mr. and Mrs. Bowersox are residing at 1630 Hinton Drive.

McVay-Kelsey

On June 22, Macyl Kelsey became the bride of Howard McVay. The ceremony was performed by the Rev. C. L. Miller at the home of the bride's parents, Mr. and Mrs. Arthur Kelsey, 1217 Packard Ave. After the services a wedding dinner was served and later the young couple left for a week's outing at Lake James. Mr. and Mrs. McVay are now at home at 1245 Huestis Ave. Mrs. McVay is in the Small Motor Dept., Bldg. 17-3, and Mr. McVay is in the Meter Dept., Bldg. 26-4.

Berger-Cress

Gladys Cress and Aubrey Berger, Transformer Dept., Bldg. 26-2, surprised their friends and associates by getting married on June 20. They are leaving in the near future to make their home with the groom's parents at Garrett.

Martin-Denny

On June 23, Betty Denny and Luke Martin were married by the Rev. Peters, the ceremony taking place at the home of the bride's parents, Mr. and Mrs. Grover Denny, Zanesville. Beulah Shoup, of Zanesville, was bridesmaid and Waldo Martin, a brother of the groom, attended as best man. After the ceremony a wedding dinner was served to 40 guests. Both Mr. and Mrs. Martin are in the Transformer Dept., Bldg. 26-2. For the present they will make their home with the bride's parents.

August-Slane

In a simple ceremony solemnized June 23, Oma Irene Slane became the bride of John L. August. Rev. G. A. Snider performed the ceremony at the home of the bride's parents, Mr. and Mrs. John E. Slane, of Ossian. Edith Baker attended the bride as bridesmaid, and her nieces, Annabelle Redding and Margery Ann Pressler, were flower girls. Argen Beckett, a nephew of the bride, was ringbearer and Duveal August, a cousin of the groom, served as best man. Following the ceremony a wedding dinner was served to 50 guests. Mrs. August is in the Small Motor Dept., Bldg. 4-1, and Mr. August is in the Transformer Dept., Bldg. 26-1.

Kissinger-Worden

On June 24, the marriage of Florence Worden, of the Frac. Hp. Motor Dept.,

Bldg. 3-3, and Ray Kissinger was solemnized in the parsonage of the First Evangelical Church with the Rev. Garfield Johnson officiating. Mr. and Mrs. Walter Kissinger, brother and sister-in-law of the groom, were the only attendants. After the ceremony a wedding dinner was served at the home of Mr. and Mrs. Walter Kissinger, 3922 Smith St. Later the young couple left on a wedding trip through Michigan. Mr. and Mrs. Ray Kissinger are now at home to their many friends at 318 W. Williams St. Mr. Kissinger is with the Federal Baking Co.

Kraft-McKenzie

On June 26, Mary McKenzie and William Kraft were united in marriage. Rev. Basil Didier read the services at the church of the Most Precious Blood. Charlotte McKenzie, sister of the bride, was maid-of-honor, and Helen Kraft, a sister of the groom, was bridesmaid. Aloysius McKenzie, brother of the bride, attended as best man and Lawrence Kraft and Frank Newman were ushers. A wedding breakfast was served at the home of the bride's mother, Mrs. Catharine McKenzic, 518 Fifth St., and later the young couple left on a motor trip through the east. Mr. and Mrs. Kraft are now at home at 434 Huffman St. Mrs. Kraft is in the Apparatus Dept., Bldg. 19-2, and Mr. Kraft is with the Frics Machinery Co.

Jensen-McBride

Dorothy McBride, Meter Dept., and Viggo Jensen were united in marriage on June 27. The ceremony took place at the Plymouth Congregational Church with the Rev. Arthur J. Folsom officiating. Mr. and Mrs. Harold Jensen, brother and sister-in-law of the groom, were the only attendants. Mr. and Mrs. Jensen will make their home in this city. Mr. Jensen is with the International Harvester Co.

Littlejohn-Erwin

On June 29, the marriage of Ireta Erwin and John Littlejohn was solemnized at the home of the bride's parents, Mr. and Mrs. Dore Erwin, Decatur. Following the ceremony a wedding dinner was served to members of the immediate families and later the newly wedded couple left to spend a week in Chicago. For the present Mr. and Mrs. Littlejohn will reside at 841 W. Creighton Ave. Mr. Littlejohn is a toolmaker in Bldg. 26-5, and Mrs. Littlejohn is a time clerk in the Meter Dept., Bldg. 26-4.

Curry-Osborn

On June 22 the marriage of Dorothy Osborn, Payroll Dept., Bldg. 18-2, and Herman Curry, Transportation Dept., took place at the Methodist Church in Ossian. Mr. and Mrs. Glen Masterson attended the couple. Following the ceremony a reception was held at the home of the bride's parents, Mr. and Mrs. William Osborn.

Habig-Madden

Carl Habig and Catherine Madden were united in marriage June 15 in the Cathedral, with Father Conroy officiating. The couple were attended by Joc and Eileen Madden, brother and sister of the bride. Following the ceremony the couple left on a trip to Kentucky. Mr. and Mrs. Habig are now at home at 919 Rivermet Ave. Mr. Habig is in the Machine Shop, Winter St. Plant.

Howard-Ditto

John Howard and Velva Ditto were united in marriage, June 15, with the pastor of the Church of Christ officiating. They were attended by Julia Howard, a sister of the groom, and Vile Ditto, a brother of the bride. Following the ceremony the couple left on a trip to Arkansas and Texas. They are now residing with the groom's parents at 447 Eckart St. until their new home in Oxford Addition is completed. Mr. Howard is a toolmaker at Winter St.

Jesse-Sellers

The marriage of Kathryn M. Sellers and Herbert Jesse, both of the Tool Equipment Dept., Bldg. 17-4, was solemnized June 20. The ceremony was performed by the Rev. Garfield Johnson at the home of the bride's parents, Mr. and Mrs. Frank Sellers, 3001 So. Clinton St. The bride was attended by her sister, Hilda Sellers as bridesmaid. After the ceremony a wedding dinner was served and a reception was held at the home of the bride's parents. Later Mr. and Mrs. Jesse left on a wedding trip. They are now residing at 1330 Erie St.

Payroll Dept. Bride-elect Honored

VERA Hevel was hostess to the girls of the Payroll and Accounting Depts., Bldg. 18-2, at a pretty party held at her home at 735 Poplar Street on June 14. The party was in honor of Leone Quinn, a bride-elect of July 6. During the evening the girls played bunco and pinochle and prizes were awarded to Carolyn Holz and Eva Overly, who in turn presented them to the honor guest. Later in the evening a delicious luncheon was served.

Miss Quinn was given a lovely waffle set, a gift from her friends, Ruth Bell, Edna Carrazin, Louise Borgman, Helen Gnau, Blanche Bauer, Edna Voiron, Helen Litot, Ann Walburn, Lena Shull, Dorothy Bixler, Dorothy Gomft, Mary Korsen, Dorothy Osborn, Alma Olson, Carolyn Holz, Eva Overly, Ruby Kuhn, Lora Redding, Devona Kaehr, Naomi Armstrong, Marsha Yahne, Mae Virgil, Erma Somers, Gertrude Traxler, Eva Burgan, Delores Orr, Emily Smith, Muriel Winefer, Dorothy Wilkins and Vera Hevel.

JUNIORS' PAGE



Dorothy Prange Dressed as a Little French Girl

Dear G-E Juniors:

From the nice letters I received, I know that all of you are enjoying your vacations—and almost everyone is doing something different. Catherine Murphy goes to Daily Bible School in the mornings and goes swimming or sews in the afternoons; Victoria Wesling is planning to spend a part of her vacation visiting her two married sisters; Dorothy Gebhart is helping her mother with the housework and she also works in the garden and feeds the chickens. Arno Schelper lives near Weisser Park and plays in the playground there almost every day. Recently he spent a week at Pretty Lake with his father and brother. Ralph Crall is going to spend his vacation on his uncle's farm. Reginald and Richard Gerig spend their time playing out-of-doors and in practicing their music lessons. Helen Hickman is going to spend a week at Lake George and also a week at Toledo, Ohio. Catharine and Sephus Jackson are having a good time at Lake of the Woods with their grandmother. Harry McClure lives on a farm and he has seven little puppies, six little chickens and six little pigs, all his own. Dorothea Prange likes to study dramatics, so she sent me a picture of herself dressed in a little French costume.

Almost all of you who sent in answers to the June puzzle found the rose in the picture, and prizes

were sent to Marion Jackson and Kenneth Nyffeler at Decatur, and Margaret Joan Crankshaw, Helen Marie Houser, Harry McClure, Dorothy Jockel and May Potterfield at Fort Wayne. Besides these, I received nice letters from Elen McNulty, Dorothy Wyss, Victoria Wesling, Dorothy Gebhart, Dorothea Prange, Albert Devaux, Arno Schelper, Elmar Devaux, Ruth Eylenberg, Orville Fennig, Ralph Crall, Richard Gerig, Reginald Gerig, Helen Hickman, Berniece Moore, Helen Liddy, Dorothy M. Aldridge, Norman W. Stoller, Ruth Swank, Dorothea Long and Robert Gaskill from Fort Wayne, and Catharine Jackson, Elizabeth Fuhrman, Ruth Raudebush, Catherine Murphy, and Sephus Jackson from Decatur. Mildred Heshner, one of our G-E Juniors who won a big prize two years in succession, wrote me a dandy letter, but as she is 14 years of age now she doesn't send in solutions to the puzzles. She says, however, that she still likes to read the Juniors' page.

The picture with the many white lines running through it is our puzzle for July. Hidden among these white lines are ten vegetables that grow during the summer months. See if you can find all ten of these vegetables and tell me what they are.

I am glad that so many of you are starting right away to work for

the big prizes, and I was very much delighted to get letters from several new G-E Juniors. Now don't forget to write to me.

Yours sincerely, *Jill*

Child and Mother

By EUGENE FIELD

O MOTHER-MY-LOVE, if you'll give me your hand,
And go where I ask you to wander,
I will lead you away to a beautiful land—

The Dreamland that's waiting out yonder.
We'll walk in a sweet-posie garden out there
Where moonlight and starlight are streaming
And the flowers and birds are filling the air
With fragrance and music of dreaming.

There'll be no little tired-out boy to undress,
No questions or cares to perplex you;
There'll be no little bruises or bumps to caress,
Nor patching of stockings to vex you.
For I'll rock you away on a silver-dew stream,
And sing you asleep when you're weary,
And no one shall know of our beautiful dream
But you and your own little dearie.

And when I am tired I'll nestle my head
In the bosom that's soothed me so often,
And the wide-awake stars shall sing in my stead
A song which our dreaming shall soften.
So Mother-My-Love, let me take your hand,
And away through the starlight we'll wander—
Away through the list to the beautiful land—
The Dreamland that's waiting out yonder.



WHICH TEN VEGETABLES CAN YOU FIND IN THE ABOVE LINES?

Apprentice School

THREE students completing their apprenticeship and 25 enrolling during the month of June indicates something of the activity of the apprentice school. The enrollment on July 1 shows 82 students taking the first year's work, 91 in their second year, 49 in their third year, and 15 in the final year of the four-year course. Sixteen of those in the third year of apprenticeship are taking the draftsman course and are, therefore, in the final year of their course. All the fourth year men are machinist-toolmaker apprentices.

Walter Hazelett, who finished the machinist-toolmaker course June 15 formerly attended Central High School. He has been assigned to work in the Tool Division.

Eugene Mitten, South Side High School, finished his machinist-toolmaker apprenticeship on June 29 and is working for Mr. Wolf in the Apprentice Dept., Bldg. 12-2.

Reynolds Getty also finished his machinist-toolmaker apprenticeship on June 29. His high school work was taken at St. Peter's. He has been assigned to regular work in the Tool Division. Each of these three young men received with their diplomas the customary cash bonus.

The 25 students who recently enrolled for apprentice courses all graduated this summer from high school. Those who selected the machinist-toolmaker course are: Harold Hohman, North Side High; Elmer Paul, Hugh Reynolds, William Walde, Karl Schmidt and Charles Gass, Central High; Glenn Straight, Robert Dressel and William Goers, South Side High; Milton Koenig, Ossian High; Leonard Michel, Huntington; Kenneth Caselman, Auburn; Kenneth Shu-

maker, Delphos, Ohio; James Kester, Wabash; Lehman White, Enfield, Ill.; Robert Siegfried, Peru; Eric Steward, Spencerville; Floyd Dowell, Columbia City; Francis Richards, Edinburg.

The new draftsmen apprentices are: Frank Morel, Central Catholic High; Carl Jacob, North Side; Calvin Marhenke, Central; Roy Fickenworth, Lebanon; Robert Stanbury, Pennville; Leonard Morgett, Bluffton, and Everett Johnson, Marion.

You Benefit By Fighting Waste

OUR ability to compete with other manufacturers, governs the amount of work we have. We are therefore constantly striving to reduce the cost of our product and at the same time maintain the high degree of quality always associated with General Electric.

The material that enters into the product is one of the most important factors influencing both quality and cost. Reduction in the cost of material is accomplished in two different ways: First, in the elimination of material waste and second in the substitution of lower priced materials which maintain or even improve quality of the product.

The accompanying photograph illustrates what may be accomplished. Figure 1 is a steel ring used to hold the leads to the brushholder in certain fractional horsepower motors. This part was made on an automatic screw machine from solid bar stock. All the material drilled from the center was, of course, wasted. Figure 2 is a part designed to replace Figure 1. Figure 2 is formed on a wire bending machine, spot welded and drilled. Practically all waste is eliminated and a lower priced material is used, while the new ring has

greater tensile strength than the former one and the quality of the product has been improved.

The operators who do the actual work on such parts are in many cases in a better position to see possibilities for



Fig. 1

Fig. 2

improvement along these lines than anyone else. Every employee should therefore be constantly on the alert.

Employees who study their work and discover more economical methods may benefit in different ways. First, by turning in their ideas in the form of a suggestion to the Suggestion Committee, Bldg. 16-3, they may receive a liberal award. Second, our plant and its activities are growing rapidly and the field for promotion is greater than ever before. Those in a supervisory capacity, in selecting people to fill positions of responsibility, naturally give first consideration to those who have taken a real interest in their work. Thus every new idea conceived by a workman brings the day that much closer when he will be given added responsibilities with their attendant increase in pay.

Athletics

Industrial Baseball League

The G-E entry in the City Industrial Y.M.C.A. League has a big lead and threatens to continue its first round record of straight wins. Coach Biedenweg has worked hard to get the squad in good shape. The league has been arranged in three rounds of play, with games every Saturday afternoon. Regular practice is held every Friday evening and new players are given a try-out.

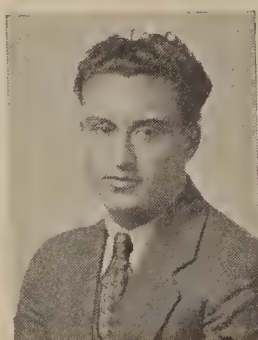
	Won	Lost	Pct.
General Electric	5	0	1.000
City Light	3	2	.600
Inter. Harvester	2	3	.400
Dudlo	2	3	.400
Pennsylvania	2	3	.400
Bowser Co.	1	4	.200

Inter-department Baseball

Rivalry is strong and the twilight players are missing meals to hold their position in this popular Tuesday-Thursday evening league. Apparatus continues to lead with five victories in as many starts, but is closely pressed by the Squares and Winter St. teams.



Walter Hazelett



Reynolds Getty



Eugene Mitten

	Won	Lost	Pct.
Apparatus	5	0	1.000
G.E. Squares	3	2	.600
Winter St.	3	2	.600
Apprentice	2	3	.400
Motor Veterans	2	3	.400
Small Motor	2	3	.400
General Service	2	4	.333
Transformer	1	3	.250

Inter-department Softball League

Apparatus took first half honors by winning four of five games played at the Taylor St. diamonds. Apprentice, Main Office and Payroll tied for second place, while the Squares and Meter teams finished third and fourth. Most of the teams have strengthened their line-ups for the second half and an interesting series of games is expected.

Team	Won	Lost	Pct.
Apprentice	2	0	1.000
Main Office	2	0	1.000
Apparatus	1	1	.500
G.E. Squares	1	1	.500
Meter	0	2	.000
Payroll	0	2	.000

Industrial Tennis League

Representative teams from Bowser, Dudlo, Lincoln Life, Northern Indiana Service, Wayne Co., and G.E. are entered in the Y.M.C.A. Industrial League and are playing scheduled matches on the G-E Courts and at Memorial Park.

George Dierstein, Fred Feustal, Eric Gawehn and R. Robeger are entered in the singles, playing Tuesday evenings, while the same players with the addition of Herb Koch and R. Greenlee make up the doubles for Thursday evenings. After the games scheduled for July 23 are played, teams will be matched for finals according to percentage standing.

Girls' Baseball

Home runs, and how! Talk about Babe Ruth making home runs—he hasn't anything on the regulars of the G-E Girls' Team. Haven't they been champions for the past number of years, and don't they want to uphold that title

again this year? The old gang is reporting at Sweeney Park Diamonds every Tuesday and Thursday evening, and Coach Leon Enderle and Asst. Coach Norbert Gase are teaching the rookies plenty of inside stuff.

Girls' Tennis Class

Step on it, Girls! This is fine tennis weather, and the G-E tennis class for girls, under the supervision of Esther Moll, is held every Tuesday and Friday evening at the Club Courts on Taylor St., from 5 to 7 p.m. Although many are already enrolled, the instructors, Esther Moll, Bldg. 21, Tel. 563, and Florence Brown Wolverton, Bldg. 19-4, Tel. 217, can accommodate a few more.

Girls Golf Instructions

How about golfing these days? Come over to the Recreation Bldg., Monday and Wednesday noons, at 12 o'clock, and meet our old friend, Sam Newlin, the golf instructor. All equipment furnished free of charge.

Decatur

Gecode Club Holds Outing

THIRTEEN members of the Gecode Club held their annual outing June 29 and 30 at Russell Point, Indian Lake. The trip was made by automobile, cars being driven by Raymond McDougal, Robert Heshner, Harold Heller and Forrest Passwater. The party registered at the Bristol Hotel and after a hearty dinner proceeded to take in all the amusements of the park, including speed boating, merry-go-round, fun houses, dancing and

roller skating. On Sunday trips were made to Zane Caverns, Belle Center, Vella Nova and other amusement places. Everyone in the party reported a very delightful time in spite of the heavy rainfall which threatened to spoil the day and barred the getting of any good pictures of the group.

The girls who took the trip were: Ann Werst, Luella Werst, Iva Heller, Inez Heller, Ethel Tumbleson, Alta Smith, Berneta Omlor, Gladys Reffey, Leota Burnett, Nora Dungan, Mildred Bixler, Miriam Myers and Olive Walters.

First Aid

JACK Deininger, of the Maintenance Dept., has been the first graduate of the G-E First Aid School to put his training into actual practice. During the extreme heat of June 19, an elderly gentleman was overcome by heat in front of Mr. Deininger's home. By putting his first aid training into practice Jack was able to have his patient out of danger by the time a physician arrived.

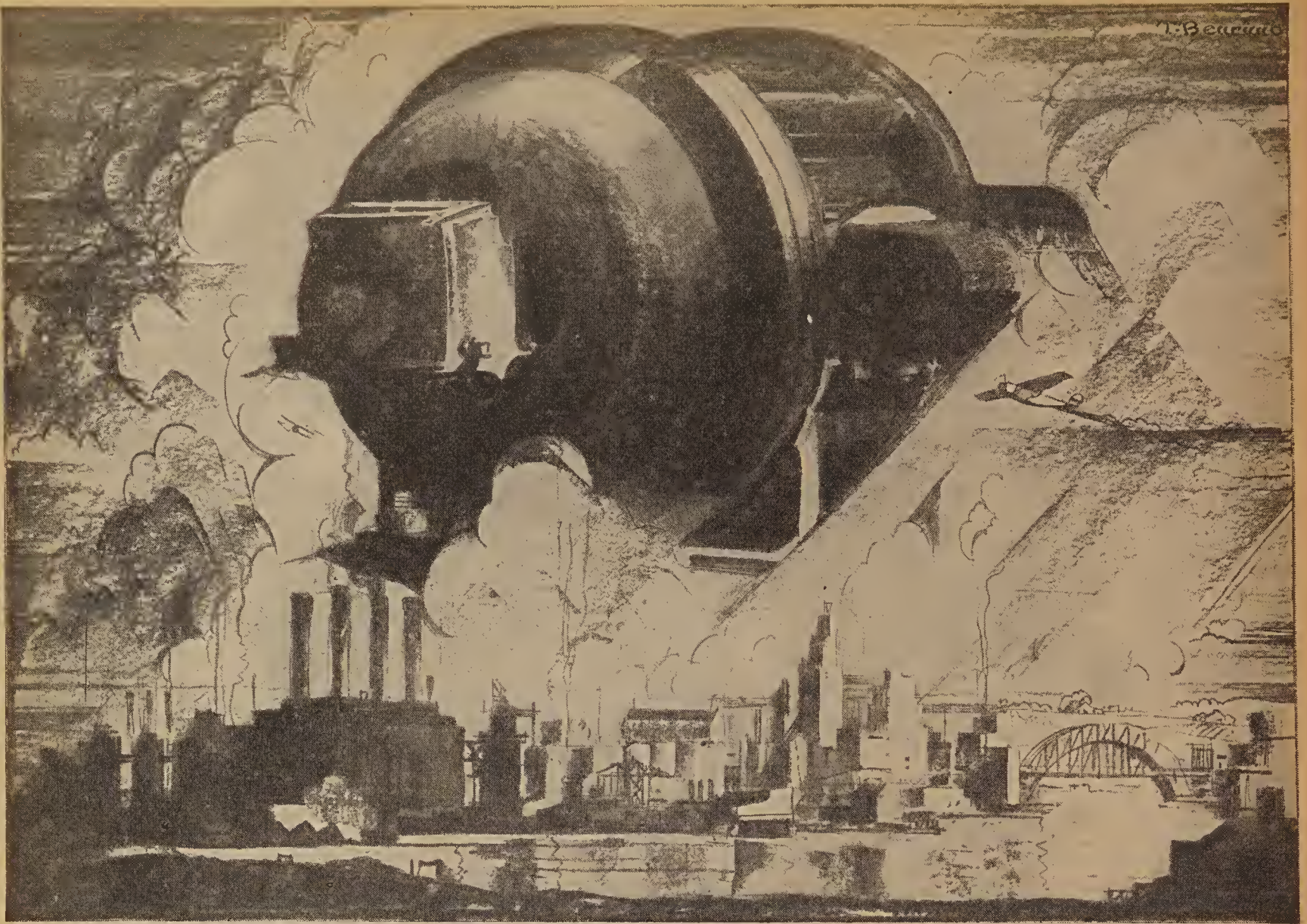
Weddings

June took its quota from the local plant. Ruth Martin, Winding Dept., and John Walters were married June 19. Juanita McClure, Winding Dept., and Orley Gehres were married June 15. They will make their home at Wren, Ohio. Berniece Thornton, Winding Dept., and John Green were married June 15. They will make their home at Muncie, where Mr. Green is employed as a plumber.



TAKEN QUITE A FEW YEARS AGO

These three cute little fellows are, left to right, Cash Lutz, Charles Langston and Frank Praun. These were taken some time before they started work at Decatur.



WHAT ELECTRIC POWER *is doing for you*

THESE multitudes of whirring motors are weaving the fabric of a richer civilization. They are making new wealth, new comfort, new leisure, for everybody.

For example, since 1914, the cost of raw materials used by the General Electric Company has increased nearly 40 per cent. But the intelligent use of 145 per cent more electric current has so helped to increase the production per worker that it has been possible to more than double the average wages. At the same time, the average price of the finished products, excepting lamps, has been increased by less

than 20 per cent. Prices for the greatly improved MAZDA lamps are 48 per cent less than in 1914.

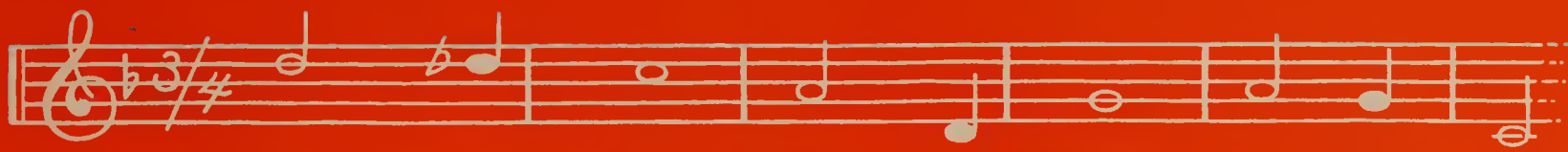
Because electricity is used in the making of General Electric products and appliances, the workman who makes them is better paid, and the products themselves are better, more dependable, more economical in use. On thousands of these products, from the little motor that runs your electric refrigerator to the big one that powers your commuting train, the General Electric monogram represents the highest standard of electrical correctness and dependability.



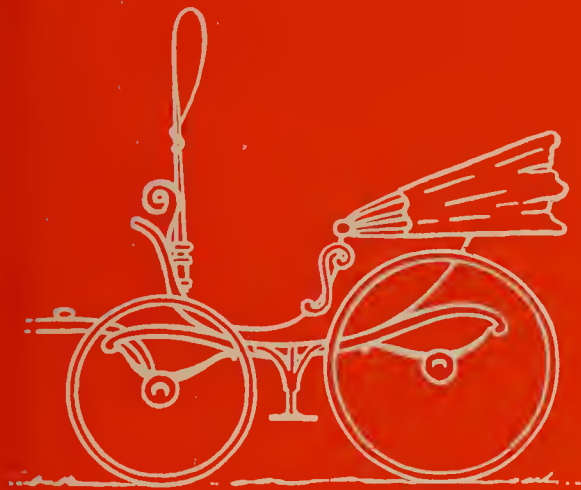
JOIN US IN THE GENERAL ELECTRIC HOUR, BROADCAST EVERY SATURDAY AT 8 P.M., E.S.T. ON A NATION-WIDE N.B.C. NETWORK

GENERAL ELECTRIC

95-626B



Memories, Memories,



The



Works News

August 16, 1929

Employees' Homes Bought Under Housing Plan



(1) William Howard Miller, 123 McKinnie Ave.; (2) Alvin C. Hartman, 1206 Lexington Blvd.; (3) George D. Seabold, 1150 Nuttman Ave.; (4) Charles C. Rodenbeck, 1131 East Lewis St.; (5) Wilbert Hevel, 735 Poplar St.; (6) Dale M. Irwin, 4026 South Wayne Ave.; (7) Hobart L. Stevenson, 1212 Stophlet St.; (8) Lee Cupp, 3610 Webster St.; (9) Paul Harting, Waynedale; (10) Kenneth McCague, Waynedale; (11) Donald F. Thomas, 511 Stadium Drive; (12) Louis J. Hinin, 1809 Hale St.; (13) George W. Thurber, Waynedale; (14) William Sivits, 1118 Dodge Ave.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

August 16, 1929

No. 8

Tester Wins \$250 Award for "Better Way"

RUSSELL Case, who last November was awarded the Insull Medal for saving the life of a fellow employee, now qualifies for honors among those who offer valuable suggestions of ways and means of improving our products, reducing costs and making our plants better places in which to work. But this suggestion of Mr. Case's was not along safety lines. He is a tester in the Apparatus Division, Bldg. 19-1, and was assisting in the tests of a generator having new features designed to overcome certain commutation difficulties. The modified design of machine was not working satisfactorily and the idea occurred to Case that a damping coil placed on the main pole piece would help. He made such a suggestion, a machine was equipped with a damping coil and the difficulties disappeared. Mr. Case has been awarded \$250.



Russell Case

gestion regarding change in the method of winding frame 1465 armatures. His original award re-



Fred B. Lahrman



Herman Sexton

suggested the purchasing of certain material for Meter Dept. in rolls of suitable width instead of sheets, and received \$15.



L. Buckmaster

E. O. Stuckman, Winter St., suggested a change in length of stock copper tubing for DR-3 cases which reduced wastage. His award was \$15.

R. J. Martz, Winter St., on

ceived on this suggestion was \$150.

Matt W. Krebs, Winter St., suggested a change in the method of removing the burr from check valve plunger, which brought him \$20.

Dorothy McMullen, Bldg. 26-2, suggested a device for measuring paper be supplied on winding machines and received \$20.

Pearl Bayles, Bldg. 26-1, suggested V-type rubber belts be used for telephone transformer winding machines, and received \$20.

L. Scherer, Bldg. 2-E, suggested an air line be supplied for cleaning non-carbon chart paper and was awarded \$15.

Hilliard G. Thomas, Bldg. 19-5,

his suggestion regarding a change to the DR-3 evacuating hose, received \$15 reward.

J. F. Payton, Bldg. 26-2, suggested supplying of assembly fixture for portable oil testing transformer tops and was awarded \$10.

John F. Houck, of Bldg. 19-5, suggested changes to machine in Meter Dept. to take care of the insulating of leads for certain coils, and was awarded \$10.

C. F. Hambrock, Bldg. 19-5, suggested change in thickness of certain phonograph motor washers to enable the use of scrolled stock and received \$10.

Louis Steup, Bldg. 19-5, received \$10 award on suggestion that certain relay parts be made of steel instead of brass.

Craig A. Laubenstein, Bldg. 19-5, suggested use of a stroboscope in the testing of M-11 demand meters and was awarded \$10.

Ed Kaliker, Bldg. 26-2, received \$10 additional award on his suggestion of supplying certain nameplates with additional information etched thereon to save the time and trouble of stamping. His original award was \$10.

Lester Arnold, Bldg. 26-2, was awarded \$10 on his suggestion of

Herman Sexton, Bldg. 26-4, was awarded \$40 on his suggestion that forming cutters be supplied for hobbing the worm on phonograph governor shafts.

L. Buckmaster, Bldg. 27, received \$40 additional award on a suggestion of change to tube rolling machine in Bldg. 27 to permit the cutting of a notch in insulating tubes. His original award was \$30.

Fred B. Lahrman, Bldg. 4-3, suggested supplying side dump hoppers for handling turnings and scrap from Bldg. 4-3, and received \$25 award.

Russell Walters, Bldg. 4-1, received \$20 additional on the sug-

Memories

The artist who drew this month's cover has tried to bring out an idea that has recently been attracting the attention of all of us, namely, that it is very old-fashioned to be wasteful. Excessive waste, he feels, will soon be considered quite as obsolete and absurd as gas lights, side burns, and the horse and buggy as a means of getting around. Let us all hope he is a good prophet and that the days of excessive waste will soon be nothing but memories!

supplying a testing device for ratio tests on certain transformers.

Herschel L. Smith, Bldg. 4-5, received \$10 award on his suggestion of supplying a rabbet plate for internal grinder to save time in making set-up.

A. E. Coxon, Bldg. 19-2, suggested the stamping of identification on certain coils in Transformer Dept. instead of marking with pen and ink and received \$7.50.

Awards in the amount of \$5 each, totaling \$365, were granted during this period, June 24 to July 20 inclusive. These awards are as follows:

C. F. Hambrock, Bldg. 19-5, ordering cold rolled steel cut to length thereby eliminating scrap.

John F. Helper, Bldg. 12-2, supplying splash guard at grinder.

Charles W. Cline, Bldg. 4-4, supplying device for locating commutators on certain Fractional Hp. Motor armatures.

John Fuller, Bldg. 4-1, supplying container for feeding of compound on magazine feed for punch presses.

Raymond W. Epperson, Bldg. 4-5, the screening of waste from punchings to reduce hazards of handling.

Louis J. Hinen, Bldg. 4-1, supplying pilot light at electrically-heated soldering pot.

Gladys Marie Suter, Bldg. 26-1, supplying a fixture for assembling certain terminal blocks in Transformer Dept.

J. O. Staley, Bldg. 26-B, supplying mirror and warning signs to reduce hazards caused by trucks.

Ralph R. Hemminger, Bldg. 4-1, supplying addition to length of conveyor in Bldg. 4-1, and providing it with a stop.

Rudolph Zelt, Bldg. 4-4, supplying trays for armatures at grinders.

Orval Doherty, Bldg. 26-1, the use of black press board in place of gray on certain capacitor transformers.

Gilbert F. Bond, Bldg. 18-2, supplying red slips (FN-242-B) for rush work in connection with Ediphone work.

Orval Paul, Bldg. 17-2, supplying a guard at soldering place.

Roman J. Niebel, Bldg. 17-4, change to hand shift lever of lathe.

Charles J. Auer, Bldg. 19-4, use special ground drills in place of counter-bores in Meter Dept.

F. B. Thomas, Bldg. 16-3, change to exhaust air pipes from annealing furnace in Bldg. 17-2.

Harry M. Magner, Bldg. 17-3, drilling holes in the driving pulleys of the Norton grinders to facilitate the removal of head stock centers.

H. Thomas, Bldg. 19-5, purchasing material in 4-in. width to reduce shearing operation in Meter Dept.

Alpheus Swift, Bldg. 19-5, supplying special punch for the removal of rivets in Meter Dept.

Louis J. Hinen, Bldg. 4-1, supplying device for holding armatures back at conveyor.

Margaret L. Goshorn, Bldg. 19-3, changes to Form FW-659 and 659-A.

Andrew J. Braun, Bldg. 19-4, change to clamps on certain relays to hold element to iron.

Karl Stahl, Bldg. 17-4, change to bench drawers in Bldg. 17-4 by providing offsets for drill sets.

John Overhold, Bldg. 19-2, supplying a shield at drill press for the protection of finished armatures.

E. V. Ball, Bldg. 17-2, change in cutting holes in plates placed on fabricated bases used in Apparatus Division.

Lee Cupp, Bldg. 4-4, change in arrangement of benches at grinders.

Bert M. Bender, Bldg. 4-4, changes to pattern to provide clearance for oil well guides on certain fractional hp. motors.

Wallace E. Rice, Bldg. 12-3, furnishing guard at grinder.

Gerald Mugg, Bldg. 19-4, supplying riveting fixture to be used in connection with G-9 demand meters.

Edwin G. Rodenbeck, Bldg. 19-4, change to Novalux traffic signal timer to eliminate one part.

Truman R. Buckles, Bldg. 2-K, supplying bench at multiple winding machine in Bldg. 8-2.

Gilbert F. Bond, Bldg. 18-2, supplying second page for FW-665.

Alfreda Sullivan, Bldg. 4-1, supplying hooks on ends of coil racks.

Viola A. Grover, Bldg. 4-1, supplying rods for holding coils.

F. H. Lemish, Bldg. 26-3, change location of holes in WSO transformer tanks.

Joseph W. Hawk, Winter St., change to oil caps on the evacuating tubes.

Paul Redmerski, Winter St., furnishing gauge to check crankshaft and un-loader hole in main frame at Winter St.

Julius J. Warnement, Winter St., supplying drip pan in paint booth to reduce fire hazard.

William Sommers, Winter St., supplying light on grinder.

J. F. Payton, Bldg. 26-2, supplying a steel stacking fixture for certain transformer cores.

Henry F. Linker, Winter St., supplying rubber sleeves to protect crankshafts while being sand-blasted.

Margaret Motherwell, Winter St., supplying rack for cables.

George D. Ellison, Winter St., supplying valves on compound hose at grinders.

John H. Byrer, Winter St., supplying device for pressing down box lids.

Wilmer Maloney, Bldg. 26-3, supplying eaves trough and spouting at Winter St. cafeteria.

Roy Mentzer, Winter St., change to the grade of tape used in tying cables together.

Herbert Sonnenburg, Winter St., supplying stand for holding material at milling machine.

Louis J. Schmidt, Winter St., furnishing fixture for testing lead seal in evacuating tube valve.

Edna Koester, Winter St., supplying Puritan metal polish to clean DR-3 evaporators and bottom plates.

G. H. Waldschmidt, Bldg. 18-2, improving facilities for removing scrap in Bldg. 26-3.

Paul Albersmeyer, Winter St., supplying shelf and tool drawers at assembly conveyor.

Henry J. Luedeke, Winter St., supplying compound tank at drill press.

George D. Ellison, Winter St., supplying oil guard on milling machine.

O. L. Mensch, Winter St., stocking FF-68-A 5 by 8 tracing paper.



A GROUP OF GAY DOGS

Left to right: Ralph Gilbert, Guy Miller, Cecil Rose, Warren Jackson, E. L. Epper, Russell Rose, and Slats, Runt and Earl Somers. These were the "Beau Brummels" of Bldg. 17-3 in 1917. With the exception of Miller and the Somers brothers, they are still employed here.



This photo kindness of Nelson Bucher

EMPLOYEES OF WINDING DEPT. IN 1897

Top row: John Horstman, Charles Broeking, Nelson Bucher, John Hilgeman, Larry Lichtenwalter, George Smith, William Peckham, J. B. Mills, John Peckham. *Middle row:* Phillip Lordier, Sr., Ira Swank, Charles Majors, William Murphy, Charles Halverstatt, Harry Beers, William Riehl, Jesse Bireley, Maurice Archbold. *Front row:* U. S. Meeks, Frank Close, unknown, Louis Fryer, foreman; Tom Quinn, Frank Kramer, Tom Quinlan, Philip Lordier, Jr.

E. Geller, Winter St., changing location of control box.

George Haggenjes, Winter St., changing location of gas torch and repair work.

Charles F. Martin, Bldg. 20-1, using program horns in place of bells.

C. Hofecker, Bldg. 20-1, supplying guard at machine in Bldg. 17-2.

E. McVey, Bldg. 10-1, supplying guard at back of switchboard in Bldg. 27.

C. Pfeil, Bldg. 4-2, additional award, supplying plugs to protect bearings on certain fractional hp. motor flanges during refinishing.

H. W. Waters, Bldg. 4-3, additional award, supplying wire brush for cleaning commutators.

Herman C. Macke, Bldg. 4-5, providing stop at conveyor.

Louis D. Hopper, Bldg. 20-1, providing steps at top of Power House, Bldg. 9.

Ralph Winters, Bldg. 26-2, supplying racks for holding paper at special winding machines.

Albert Ray, Bldg. 4-5, changes to switches in 4-5 to reduce liability of shocks and burns.

S. McAfee, Bldg. 4-3, supplying device at automatic screw machines in 4-3 to keep machines free of pieces cut off.

Fred B. Lahrman, Bldg. 5-1, providing guard over connections on lifting magnet in Salvaging Dept.

Leon A. Bond, Bldg. 26-1, supplying rack for insulating material.

Charles Getts, Bldg. 20-1, supplying guards at cranes in treating room.

Linn Kern, Bldg. 19-2, supplying ventilating equipment at soldering pot in Bldg. 26-1.

Dean Miles, Bldg. 24, supplying signal horn.

G. Luedeman, Bldg. 4-4, supplying glass shields at commutator undercutting machines.

Dean Miles, Bldg. 24, supplying warning bell on crane.

Gerry Mowery, Bldg. 22, changes to operating levers on furnace.

Apprentice Alumni Hold Big Banquet

FORTY-TWO members of the G-E Apprentice Alumni Association met at the Chamber of Commerce on July 23 for their third-quarter banquet and business meeting.

Charles M. Niezer, president of the First National Bank, was the guest speaker of the evening. Mr. Niezer covered in his talk a number of the interesting things he observed on a tour of Europe. His wealth of knowledge of the cathedrals and historic points visited made his address one of the most interesting ever presented before the association.

The entertainment of the evening was presented by Phil Monninger, and Karl Geller accompanied at the piano. H. A. Siebold introduced the following new members: Lamar Brant, L. E. Bollenbach, Herman Brown, George Hess, Edward Kibiger, Wallace McKay, Eugene Mitten, Gustav Mittermaier, Ivan Rinehart, A. J. Richert, Robert Wilson, Melbourne Johnson and Albert Olson. Joe Miles stated that his Entertainment Committee was working on plans for a week-end stag outing during September.

Another G-E Refrigerator Sales Room Opened

IT is of interest to note that H. B. McCarty, distributor for G-E refrigerators in this section of the state, whose headquarters are in South Bend, has opened a branch in the Foster-Rahe Building at the northeast corner of Washington and Harrison Streets. Here there is a complete display of the various sizes of G-E refrigerators. The branch manager, Mr. Shaughnessy, extends a cordial invitation to all G-E employees to come in and inspect the display.

The opening of this branch in addition to the excellent display of the local dealer, C. E. Cromwell, on the east side of Harrison Street just south of the Indiana Hotel, is evidence of the energy with which the sale of this product of our Fort Wayne Works is being pushed in all sections of our country. Employees of Fort Wayne Works should be familiar with this product, as it is one which is of interest to every home owner. As is commonly known, employees of our Company have the privilege of buying for their personal use at a material discount from regular sale price. Either Mr. Cromwell, the local dealer, or Mr. Shaughnessy at the newly established branch will gladly supply refrigerators to employees at the special price.

Snapped Here and There About the Works



The noon-hour rush at the Broadway entrance



Prospective employees in line at the Employment office



How they look from the back



The band



A picnic lunch at the fountain



More picknickers

The Broadway entrance at noon time



At the noon-hour concert



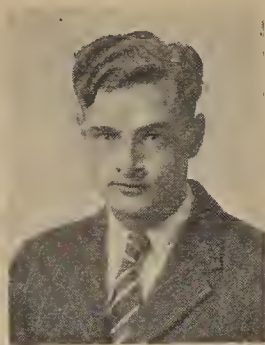
A study in expression



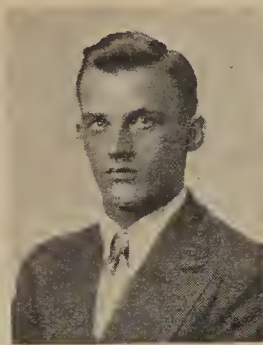
LaMar Brant



Nyle Redding



William Crouse



Frank Przebindowski



Ivan Rinehart

Five Conclude Their Apprentice Work

FIVE students in the Apprentice School completed their courses and received their diplomas during July. Nyle Redding and William Crouse finished their training period on July 1 and LaMar Brant, Ivan Rinehart and Frank Przebindowski finished their time on July 29.

Redding, who came here from Bluffton to take the draftsman course, is now working in the Plant Construction Section, Bldg. 16-3.

Crouse, who also took the draftsman course, came from Summitville. He is now working in the Transformer Cost Section, Bldg. 19-2.

Brant and Rinehart, both Fort Wayne boys, since completing their draftsman training have been working in the drafting section, Tool Division, Bldg. 17-4.

Przebindowski, of Fort Wayne, took the machinist-toolmaker training and will be assigned to the Tool Division.

During the past month six enrolled. Three selected the machinist-toolmaker course and three the draftsman course. Ralph Cox, Robinson, Ill., Herbert Reitz and Ralph Guenther, Fort Wayne, are the new draftsmen apprentices. Rex Buckles, Huntington; Herman Lankenau, Decatur, and Richard Gallmier, Fort Wayne, are those starting the machinist-toolmaker course. All six are high school graduates.

The New Charity Plan

THE new plan whereby G-E employees automatically discharge their moral obligation to financially assist our city's unfortunates is now in effect. The former

scheme of yearly solicitation of contributions to the Community Chest seemed needlessly troublesome and expensive. It obviously was out of keeping with other careful plans for economy of time and effort in our manufacturing and office routine.

By this new scheme of weekly deductions from our earnings the burden on us as individuals is relatively slight. As the amounts deducted are in proportion to our individual rates of pay the plan is as fair as any that could be devised. With this plan in effect the yearly solicitation of funds will be limited to those who have joined our organization during the year or have not seen fit to authorize the Company to deduct designated amounts from their weekly earnings. It is gratifying to know that practically all employees of Broadway and Winter Street Plants subscribed to the plan. Decatur employees, of course, are not concerned.

G-E Squares Active

THE G-E Squares are an active group these days, with the open season on golf and lake outings to engage their attention. Then, too, there are the new student engineers, only recently arrived, to get acquainted with.



Two Large Bass Caught in Clear Lake by
Reinhart Heckman, Winter St.

On July 6, members held a golf tournament on the Crooked Lake course north of Columbia City. This was a Saturday afternoon affair with 18 holes of medal play. Twenty-five entered and took part, C. H. Marihart, Fractional Hp. Motor Engineering Dept., winning, with low gross score of 87. R. Mighell turned in the best low net score, 69. L. Z. Gossman, Fractional Hp. Motor Engineering Dept., was in charge of arrangements.

For the evening of July 11 the Squares had plans for a mixed party with picnic lunch, bathing, boat rides and dancing at Tri-Lakes. This affair was especially arranged in compliment to the new student engineers. All the problems of transportation, and the securing of fair partners for those who were yet unacquainted, were duly arranged, only to have the weather man turn on the rain and cause changes in the plans. However, 35 couples made the drive to the lake and had an enjoyable dance.

Plans have been made for a stag outing of members and new student engineers on August 10. The place selected is Schroeder's grove, south of the city, only a short trip by automobile. A program of outdoor games has been arranged and a lunch will be served. With approximately 100 active members and over a score of new men to be invited as guests, this outing promises to be one of the largest ever staged by the Squares.

Still another stag event, a week-end outing at a lake during August, is under consideration by the committee.

W. A. Pringle, H. B. Carter and P. D. Dale are the members of the committee in charge of these social events.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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E. A. Miller.....Volunteer Firemen
John L. Verweire.....Band
J. E. Hall.....Quarter Century Club

Vol. 13

August 16, 1929

No. 8

Night School Classes to Start in September

THE Company's technical night school will be conducted again during the fall and winter months. A booklet describing the various courses to be offered, the names of the instructors, the requirements for enrollment in advanced courses and the complete schedule of classes is now under preparation and will be available shortly. The fall term will start September 23.

These courses are so selected as to be of interest to a great many. Besides the classes in mathematics and engineering subjects there are courses in blue print reading, machine shop practice, business English, public speaking, typewriting, first aid, etc., making the field of application very broad indeed. The refund of over half of the tuition fee to those who are faithful in attendance of classes makes the expense very low.

Waste Elimination a Personal Problem

HOW many of us at the Fort Wayne Works use the same care with the facilities with which we work that we do at our home where we have to pay our own bills? If we leave an artificially lighted room for a time at home do

we switch off the light? Of course, we do. Do our wives let the motors on their electric washers run idle when they go into the yard to hang out the weekly washing to dry? Of course not. It is only natural to think of these trivial matters when they directly affect our own pocket-book. We should, however, use the same degree of care with Company material and facilities because their waste also indirectly affects our own pocket-books, the prosperity of our Company being governed by the efficiency with which we operate.

The same principle applies in almost everything we do during our working hours. If we order a dozen screws to use on a job when only ten are needed and then drop the other two on the floor or in a bench drawer, the chances are that they will eventually find their way to the scrap pile. These items in themselves are small, but if practiced by nearly 10,000 employees over a year the sum wasted is truly staggering. There is more truth than poetry in the old Scotch saying "Many a mickle makes a muckle."

The field for waste reduction in all of the raw materials we use is almost unlimited. We are constantly finding improved methods for getting better use from our raw materials but still our scrap losses are enormous. The sales of scrap material accumulated by our Scrap section at the Fort Wayne Works total over \$500,000 per year. The original cost of this scrapped material exceeds \$2,500,000 or an annual loss exceeding \$2,000,000. After seeing these figures we no longer wonder at the concern with which our officials are viewing this huge loss. They are insisting that



Caught by Wm. Hickman, Lou Gerke and Clarence Wolfe

we do everything humanly possible to reduce waste and are giving us full co-operation in every thing undertaken in the interest of bettering this condition.

The Company does not expect you to devote your energy toward the betterment of such conditions without personal advantage, and will pay you through the Suggestion Committee awards for ideas which reduce waste in material. With our present rate of production only a small saving per unit makes a large saving per year and the individual awards, which are based on the value of the idea to the Company, are becoming larger than ever before. Thus by being on the alert and by studying the savings which may be effected in the material with which you work you may greatly increase the amount of money you earn.

Deaths

Harry Carver

HARRY Carver, 40, of the General Service Division, Bldg. 20-1, died July 18 at his home near Markle. Mr. Carver was employed here on March 25 and was on duty regularly until June 27 when he became ill while at work and was advised to return to his home. He was a brother of Helen Carver, clerk in the office of Foreman N. G. Prince, Bldg. 19-2. The funeral was held July 20 at Prospect Church near Markle with burial in the church cemetery.

* * *

Raymond Huyette

Raymond Huyette, 21, who had been employed since June 11 as a tester at Winter Street plant, was killed in an automobile accident at Huntington on the evening of July 25. Mr. Huyette was a senior in the school of chemical engineering at Purdue, and had secured work just for the summer as he expected to return to Purdue this fall to complete his engineering course. He is a brother of Kenneth Huyette, engineer, Winter Street Plant. This brother and his mother, a teacher in the Huntington schools, survive.

Revision of Group Life Insurance Plans and Additional Pension Plan Announced

Provisions of New Plans, Effective September 1, Will Apply Only to Employees Completing One Year of Service On or After That Date

A REVISION of the Group Life Insurance Plan, whereby the premiums paid by new employees will be in accordance with their ages rather than an average rate common to all employees, and a modification of the plans for free insurance and additional pensions, also equalizing benefits according to age, have been announced by President Gerard Swope.

The provisions of these plans become effective September 1, and apply to all employees completing one year of service on or after that date.

With benefits and premiums made proportional to age, no matter at what age an employee joins the plans, no injustice will be done to him or the younger employees. And, in addition, all employees will be better taken care of at the time of retirement from active service.

Heretofore under the free insurance plan, the Company has furnished the same benefits to all employees regardless of age. Under the revision the amount of free insurance given by the Company to new employees will vary according to the age of the employee at the time he enters the service.

The regular pension given by the Company without cost to employees is not affected by the revision. These pensions are based on one and one-half per cent of the employee's average earnings for the last ten years of employment multiplied by the number of years of service.

Under the new additional pension plan, varying amounts will be set aside by new employees entering the Company's service, dependent upon their age at that time.

Free Group Insurance
Free Group Insurance is offered only to those who

subscribe to the Additional Group Insurance. Employees with dependents, who hold Additional Group Insurance, will receive Free Group Insurance from the Company in accordance with the table below.

Employees, having no dependents and holding Additional Group Insurance, will receive \$150 Free Group Insurance.

Additional Group Insurance

All employees (excepting those on special payrolls such as temporary, or part-time, or on retainer, etc., as defined by the rules of the Company from time to time) may come in under the Additional Group Insurance Plan after one year of continuous service. Participation in the Additional Group Insurance Plan is a mutual condition of employment for all men employees upon completing five years of continuous service.

The amount of Additional Group Insurance is based upon the em-

ployee's annual wages or salary, as follows:

Wages or Salary	Am't Add'l Ins.
Under \$1200 per annum	Class A \$ 500
1200 and less than \$1800	Class B 1000
1800 and less than \$4000	Class C 2000

The premiums paid by the employee are graduated according to the age when taking out Additional Insurance, as shown by the large table on the next page.

The age governing the foregoing participation and cost of insurance will be in accordance with the usual practice of life insurance companies; for example, age 25 will include the period beginning six months before and extending until six months after the 25th birthday. The age of the employee when taking insurance will determine the premium rate.

If at any time after participation by an employee the wages or salary of such employee are increased to such an extent as to cause him to pass from one class to another, and thus to make him eligible for a higher amount of insurance, such higher amount of insurance shall be effective automatically on the first day of February next following the date of such increase. The insurance which he had before the increase will continue at the old rate, but added insurance will be issued at a rate based upon his age on such first day of February, in accordance with the large table on next page. For example, an employee taking insurance at age 20, with salary of \$1700, pays 58 cents per month for \$1000 of insurance. If at age 25 his salary is increased to \$1900, he then becomes entitled to another \$1000 of insurance for which he pays at the rate of 71 cents per month; since he is then eligible for 5 per cent Supplementary Compensation, \$7.70 (\$3.46

New Schedule of Free Insurance

Age at Taking Additional Insurance	AFTER CONTINUOUS SERVICE OF				
	1 Year	2 Years	3 Years	4 Years	5 Years
28 or below	\$500	\$750	\$1000	\$1250	\$1500
29	495	740	985	1230	1475
30	490	730	970	1210	1450
31	485	720	955	1190	1425
32	480	710	940	1170	1400
33	475	700	925	1150	1375
34	470	690	910	1130	1350
35	465	680	895	1110	1325
36	460	670	880	1090	1300
37	455	660	865	1070	1275
38	450	650	850	1050	1250
39	445	640	835	1030	1225
40	440	630	820	1010	1200
41	430	615	800	985	1170
42	415	595	775	955	1135
43	395	570	745	920	1095
44	370	540	710	880	1050
45	340	505	670	835	1000
46	310	470	630	790	950
47	280	435	590	745	900
48	250	400	550	700	850
49	220	365	510	655	800
50	190	330	470	610	750
51	190	295	430	565	700
52	150	260	390	520	650
53	150	225	350	475	600
54	150	190	310	430	550
55	150	155	270	385	500
56	150	150	230	340	450
57	150	150	190	295	400
58	150	150	150	250	350
59	150	150	150	205	300
60 or over	150	150	150	160	250

New Schedule of Additional Insurance Premiums

Age At Taking Additional Insurance	CLASS A \$500 INSURANCE		CLASS B \$1000 INSURANCE		CLASS C \$2000 INSURANCE	
	Monthly Premium	Semi- annual Premium	Monthly Premium	Semi- annual Premium	Monthly Premium	Semi- annual Premium
20 or under	\$.29	\$1.73	\$.58	\$3.46	\$1.16	\$6.91
21	.30	1.80	.60	3.60	1.20	7.20
22	.32	1.88	.63	3.75	1.25	7.50
23	.33	1.95	.66	3.91	1.31	7.81
24	.34	2.04	.68	4.07	1.36	8.14
25	.36	2.12	.71	4.24	1.42	8.48
26	.37	2.21	.74	4.42	1.48	8.83
27	.39	2.31	.77	4.61	1.54	9.21
28	.41	2.41	.81	4.81	1.61	9.61
29	.42	2.52	.84	5.03	1.68	10.05
30	.44	2.63	.88	5.26	1.76	10.52
31	.47	2.77	.93	5.54	1.85	11.07
32	.49	2.92	.98	5.83	1.95	11.66
33	.52	3.08	1.03	6.15	2.05	12.30
34	.55	3.25	1.09	6.50	2.17	12.99
35	.58	3.44	1.15	6.87	2.29	13.74
36	.61	3.64	1.22	7.27	2.43	14.54
37	.65	3.85	1.29	7.70	2.57	15.40
38	.68	4.08	1.36	8.16	2.72	16.32
39	.73	4.33	1.45	8.66	2.89	17.31
40	.77	4.60	1.54	9.19	3.07	18.38
41	.82	4.88	1.63	9.75	3.25	19.50
42	.87	5.18	1.73	10.36	3.46	20.71
43	.92	5.51	1.84	11.01	3.67	22.01
44	.98	5.85	1.95	11.70	3.90	23.40
45	1.04	6.22	2.08	12.43	4.15	24.86
46	1.11	6.61	2.21	13.22	4.41	26.43
47	1.18	7.03	2.35	14.05	4.69	28.10
48	1.25	7.48	2.50	14.95	4.99	29.89
49	1.33	7.94	2.65	15.89	5.30	31.77
50	1.41	8.44	2.82	16.88	5.63	33.75
51	1.50	8.96	2.99	17.92	5.98	35.83
52	1.59	9.50	3.17	18.99	6.33	37.97
53	1.68	10.05	3.35	20.09	6.70	40.17
54	1.77	10.61	3.54	21.21	7.07	42.42
55	1.87	11.17	3.73	22.33	7.45	44.66
56	1.96	11.72	3.91	23.44	7.82	46.87
57	2.05	12.27	4.09	24.53	8.18	49.06
58	2.14	12.80	4.27	25.59	8.53	51.18
59	2.22	13.31	4.44	26.61	8.87	53.21
60 or over	2.30	13.76	4.59	27.52	9.18	55.04

Rate based upon age at time insurance is issued and does not change thereafter.

+\$4.24), will be deducted semi-annually. In the event of salary or wage decrease, the amount of insurance will not be subject to reduction.

Additional Pension Plan

All employees (excepting those on special payrolls such as temporary, or part time, or on retainer, etc., as defined by the rules of the Company from time to time) may come in under the Additional Plan after one year of continuous service. Participation in the Additional Pension Plan is a mutual condition of employment for all employees upon completing five years of continuous service.

The table to the right gives the rates to be set aside by employees. The payments shall be collected semi-annually from the 5 per cent Supplementary Compensation from employees receiving it, if the amount

is sufficient, and semi-annually for others and for any excess over the 5 per cent, from a fund accumulated by weekly or monthly savings under established plans.

The following table gives the rates to be set aside by employees. These rates are based upon age at coming into the plan and do not change during continuous service thereafter:

Illustrations of Accumulations Under Plan

The following example illustrates the accumulations under the Additional Pension Plan, assuming the net income will be 5 per cent compounded semi-annually:

Employee enters service at age 24—wages \$40 per week. Employee joins plan at age 25. In accordance with table on this page approximately 11½ per cent of his annual earn-

ings, or \$30 per year, is set aside. If the employee dies or leaves at age 45, after having participated in the plan for 20 years, the amount so set aside will be \$600, but he or his family will receive the amount accumulated which is \$1011. If he remains in the service of the Company until 65 years of age, the amount so set aside in 40 years will be \$1200, but the amount accumulated will be \$3725. If he retires on pension at that time and the custodians decide to make payments for 120 months, each payment from the amount accumulated from his savings would be \$39.52 and the pension granted by the Company for 41 years of service would be \$79.61 per month, or a total of \$119.13 per month.

In commenting on the revisions, President Swope said:

“The General Electric Company has developed a number of plans to assist employees in savings and investments, acquiring homes, obtaining protection for themselves and for their families in times of

Amount to be Set Aside Under Additional Pension Plan

Age at Coming into Plan	Approximate Percentage of Annual Wages or Salary to be set aside
28 or below	1.5%
29	1.6
30	1.6
31	1.7
32	1.7
33	1.8
34	1.9
35	2.0
36	2.1
37	2.2
38	2.3
39	2.4
40	2.5
41	2.7
42	2.9
43	3.1
44	3.3
45	3.5
46	4.0
47	4.5
48	5.0
49	5.5
50	6.0
51	6.6
52	7.2
53	7.8
54	8.4
55	9.0
56	10.0
57	11.0
58	12.0
59	13.5
60 or over	15.0

Table Showing Accumulations Computed on Basis Described on Previous Page

Earnings per Week	Amt. Set Aside Semi- annu- ally	AMOUNT ACCUMULATED AT END OF PERIOD OF SAVINGS					MONTHLY PENSION		
		10 Years	20 Years	30 Years	40 Years	50 Years	From Amt. Ac- cumu- lated Col F*	From Com- pany **	Total
A	B	C	D	E	F	G	H	I	J
\$20	\$7.50	\$192	\$506	\$1020	\$1863	\$3244	\$19.76	\$39.80	\$59.56
30	11.25	287	758	1530	2794	4866	29.64	59.71	89.35
40	15.00	383	1011	2040	3726	6488	39.52	79.61	119.13
50	18.75	479	1264	2550	4657	8110	49.40	99.51	148.91
60	22.50	575	1517	3060	5589	9732	59.28	119.41	178.69
70	26.50	671	1769	3570	6520	11354	69.16	139.31	208.48
80	30.00	766	2022	4080	7451	12976	79.04	159.22	238.26

*To be paid for 120 months to employee having 40 years accumulations.

**To be paid for life, being an optional retirement, at age 65, figured on 41 years of service and on a retirement rate of 1.165%, which is equivalent on life expectancy basis to 1½% at age 70.

sickness, disability, death, and old age.

"More than \$5,000,000 has been paid since 1920 through the Group Life Insurance Plan, in the form of death benefits to over 3700 families of General Electric employees, or in the form of disability payments to over 250 employees suffering from total and permanent disability.

"Under this plan two separate policies are issued by the Metropolitan Life Insurance Company to employees who participate—one a policy for Free Insurance, the premiums on which are paid by the Company, and the other a policy for Additional Insurance, the prem-

iums on which are paid by the insured employee. The death and disability benefits paid under the Plan during the year 1928 amounted to \$958,596, of which \$400,096 was Free Insurance, and \$558,500 was Additional Insurance.

"Since 1912 the General Electric Company has had in effect a Pension Plan for its employees. Originally this Plan provided for a retirement rate of 1 per cent of the average yearly wage for the ten years prior to reaching the age of retirement times the number of years employed. In 1918 the retirement rate was increased to 1½ per cent, which is still in effect.

In 1928 the General Electric Pension Trust was created, and already almost \$9,000,000 has been placed in this Trust by the Company for the payment of pensions.

"Under the provisions of the General Electric Pension Plan, about \$2,500,000 has been paid to retired employees. A very large proportion of these payments was made in the form of disability relief to employees who, after 20 or more years of continuous service, became permanently incapacitated for further work. There are now about 1000 former employees receiving pension or disability relief.

"The Additional Pension Plan was established in 1928 so that employees might, through the medium of periodic savings from earnings, make more adequate provision for their old age. Funds set aside by the employees under this plan are, and will always remain, theirs. If an employee leaves the Company or dies, he or his beneficiary will receive the amount so accumulated. Particular attention is called to the table showing accumulations on this page. When an employee retires he will receive the funds so accumulated, and, if he is eligible, will also receive a monthly allowance as long as he lives, under the General Electric Pension Plan."

G-E Works Use a Great Deal of Electricity

By C. M. RIPLEY

THE table below shows that last year all the G-E factories combined used almost 336,000,000 kilowatt hours. This is seven times as much electricity as is sold by the power companies of Turkey. It is 70 per cent more than is sold in Denmark.

It is more than is sold in New Hampshire or Vermont.

This amount of energy is the equivalent of 220,000 tons of dynamite.

The Schenectady Works alone used as much as was sold in Delaware. It used as much as Finland.

The River Works used as much electricity as is sold in New Mexico, Jugo Slavia or Austria.

The Pittsfield Works used as much electricity as Greece.

The Lamp Works used as much as Bolivia.

Fort Wayne Works used as much as Venezuela.

Erie Works used as much as the Republic of Colombia.

Bridgeport Works used as much as Ecuador.

Philadelphia and West Lynn Works each used as much as Newfoundland.

Bloomfield Works used as much as is sold in Lithuania or Haiti.

POWER PER WAGE EARNER

The electricity used last year was 5580 kilowatt hours per wage earner. It was used for heat, light, power, transportation, ventilation, etc., to help him in his work.

Now, how much or how little electricity is represented by 5580 kilowatt hours?

According to the National Electric Light Association, the average American family used last year 454

Factories of General Electric Company	Units of Electricity Used in 1928 (Kw. Hrs.)
Schenectady Works	128,167,890
River Works	39,255,840
Pittsfield Works	36,755,543
All Lamp Works	35,500,000
Fort Wayne Works	28,813,650
Erie Works	26,219,460
Bridgeport Works	14,812,952
Philadelphia Works	9,065,900
West Lynn Works	7,089,300
Bloomfield Works	4,304,029
Baltimore Works	3,835,400
New Kensington Works	1,209,600
Oakland Works	828,800
Total	335,858,000

(Continued on page 12)

Here and There With the G-E Cameraman



A bottle of champagne dedicated the G-E traffic control system recently installed in Barranquilla, Colombia



The 40-ft. G-E Monogram at the end of the Million Dollar Pier at Atlantic City



Testing rough sapphires under new G-E cathode ray apparatus



Palace of the Legion of Honor at San Francisco, illuminated by G-E projectors



Mail planes nearing completion in the Boeing Airplane Company's plant at Seattle, Wash., which is almost wholly G-E equipped.



E. R. Scales of the Edison Lamp Works presents the original Edison galvanometer to Henry Ford for his Edison museum at Dearborn, Mich.



The famous Roxy at the microphone during a recent broadcast to the Byrd Antarctic expedition through the G-E short wave stations. Among the others who took part in this program was Mrs. Floyd Bennett, seated third from the left.

Around the World with General Electric

New Zealand

Wellington, the capital city of New Zealand, is blessed with an excellent natural harbor almost entirely surrounded by rugged hills. The city itself is located on one of these steep hill areas so that there have always been difficult engineering problems with respect to reaching the city and harbor from the inland. The steep route over the range is opposed to the modern demand for economy and speed. Before long, however, the traveler will arrive at the harbor basin without being aware of the towering hills, for tunnels are now under construction. G-E mining locomotives are doing their very useful part in the construction of these tunnels, which will not only speed up train service, but, by eliminating a 400-foot climb, will save enough fuel to compensate for the expenditure on their construction.

Belgian Congo

The Bucyrus Company, many of whose power shovels are electrified by G-E motors, is building one of their big machines for use in mining operations at Katanga in Belgian Congo. For this giant shovel they have ordered a G-E power plant that is to be housed in the cab of the shovel. There will be a four-unit motor-generator set to provide current for the motors that perform the three operations of thrust, hoist and swing. The motors were ordered some time ago.

Marblehead

Visitors to Abbott Hall will have the opportunity to appreciate more fully than before the famous painting by Williard, "The Spirit of '76," which hangs in the reading room of the Abbott Public Library. G-E has installed two floodlights on the floor directly under the painting. These throw a mass of bright light which perfectly illuminates the canvas so that it may be seen from the hall. This has never been possible before because of inadequate lighting.

Lynn

More than a million and a half sapphires are used by G-E each year as jewels for bearings in meters and other delicate electrical instruments. Some of these jewels are natural and some are synthetic, and it is important to know which is which. After a study, our laboratories have announced that the difference can successfully be detected by means of the cathode ray tube. Trays of unclassified sapphires are exposed to the powerful rays for a few seconds in a dark room. All the stones, but one variety of natural sapphire, glow or radiate colors while exposed to the rays; when the rays are turned off the natural stones cannot be seen, whereas the synthetic stones continue to glow. In addition to sorting the natural from the synthetic stones, the rays help to determine where both natural and factory-made jewels come from. Natural sapphires from Montana can be detected from those of Australia, and by the colors radiated from the synthetic stones when the rays are on, it can be determined which factory made them. Incidentally, this is the first commercial application of the cathode ray tube, a product of our research laboratories.

New York

The New York Central Railroad, which was one of the pioneers in the electrification of railroads, is now pioneering in the field of Diesel-electric power for passenger service. It has obtained a Diesel-electric locomotive for passenger train service on its Putnam division. This newest oil-electric locomotive has sufficient capacity for handling the regular passenger trains of four or five cars running over the grades of the Putnam division, and will make the same running time as is now made by the steam locomotives. It has a maximum running speed of 60 miles an hour. The electric equipment was furnished by G-E.

Brazil

There are no red lights to stop the progress of high officials of the government along the beautiful Avenida Rio Branco in Rio de Janeiro, Brazil. Officials arriving at the dock ride the full length of the prominent thoroughfare to government headquarters without a single stop, for a special control has been installed for stopping traffic from entering from side streets on such occasions. Another special control is employed to have all signals, both thoroughfare and side streets, red to give the right-of-way to the fire department. The traffic control system was supplied by the International General Electric Company. Left turns are generally prohibited, and most streets are limited to one-way traffic.

India

To facilitate the handling of cargo at the new sheds of the King George's docks at Calcutta, some 350 G-E reflectors will be installed. The order was secured through the Calcutta office of the International General Electric Company.

San Francisco

The first all-American sculpture exhibit, being held at the Palace of the Legion of Honor, in Lincoln Park, San Francisco, under the auspices of the National Sculpture Society, is just as interesting at night as during the daytime. At night the entire front of the palace, as well as the courtyard, is flooded with white light by two G-E airport-type projectors, so that visitors may thoroughly enjoy the many outdoor exhibits and a stroll about the grounds. One of the outdoor features of the exhibit, which opened in April and will continue through October, is an electric fountain at one end of the courtyard. The fountain basin is about 80 feet in diameter, and has a spray of 50 nozzles in the center. Eight G-E submerged floodlights grouped around the spray give at night a great variety of pleasing color effects.

Helping Ambitious Young Men

AT the meeting of the Schenectady Works Council held on the afternoon of August 6, the Charles P. Steinmetz Memorial Scholarships available for 1929 were presented to three Schenectady boys, Frederick Dill, Jr., Donald E. Nitchman and Martin Burns, by Manager B. L. Delack. These scholarships, awarded for high scholastic standing and all around ability, provide a certain sum each year to be applied to the tuition expenses at Union College, and will carry through a four-year course provided a satisfactory record of scholarship is maintained.

All G-E employees and sons of G-E employees at any Works are eligible as candidates for these scholarships, and the selection of three Schenectady boys does not indicate that candidates from any particular locality are preferred. There were 17 applicants, 14 of which were from Schenectady and one each from Erie, Bridgeport and Philadelphia. But the Schenectady boys were eminently qualified both in scholarship and leadership.

Frederick W. Dill, Jr.

Frederick W. Dill, Jr., 17 years old, son of Frederick W. Dill, draftsman, Induction Motor Dept., Schenectady Works, will study in the civil engineering course at Union this fall. Young Mr. Dill maintained high grades throughout his high school course, and in addition distinguished himself in athletic, literary and club activities. He played on the baseball and basketball teams, was literary editor of the high school magazine, was a member of several clubs and was for some time treasurer of his class. When graduated from the Schenectady High School in January, he was elected to the National Honor Society.

Donald E. Nitchman

Donald E. Nitchman, 17 years old, son of A. E. Nitchman, cost accountant, Wire and Cable Dept., Schenectady Works, was graduated from the Schenectady High

School in June and will begin his studies in the arts course at Union this fall. Mr. Nitchman maintained a grade of almost 90 in all his courses during high school, and



Fred W. Dill, Jr.



Donald E. Nitchman



Martin Burns

on being graduated was elected to the National Honor Society and the Physics Honor Society. He was a leader in student activities throughout his high school career, and in his last year was elected president of the student body. He was a member of many clubs, was an editor of the high school magazine, played on the football, basketball and tennis teams, and took an active part in debating.

Martin Burns

Martin Burns, 18 years old, whose step-father, Charles Bohl, works in the E. C. Punch Press Dept., Schenectady Works, was graduated from the Schenectady High School in June, and will enter Union this fall to study in the chemistry course. Mr. Burns' main interests are in chemistry and physics, and in these courses he held grades well over 90. He did not neglect his other courses, however, and on being graduated was elected to the National Honor Society. His outside activities were many and varied. He was a member of the Student's Council, the Physics, Chemistry and Mathematics Scholarship societies, several clubs and was active in debating.

To further aid G-E employees and their children in gaining a higher education, the Company last year instituted the General Electric Loan Fund. From this fund, sums sufficient to cover tuition expenses may be obtained

to continue work at any accredited college or university in the country. The Educational Committee may grant these loans at its discretion according to the need. The applicants must also show, of course, that they are able to maintain satisfactory scholastic grades.

Since the inception of the loan plans in 1928 through August 1, 1929, 37 loans totaling \$12,700 have been granted. There were 47 applications received from all parts of the country. So far this year 20 loans have been

granted. Outstanding among those who have received this aid is Theodore A. Rich, of West Lynn, who though only a very young man has already won Charles A. Coffin awards twice. He won the first award in 1924 and the second in 1926. He is now studying engineering in Harvard and will graduate in 1930.

By means of the Steinmetz Scholarships and loans from the General Electric Educational Loan Fund, our Company is showing in a concrete manner its belief in the importance of education, and is encouraging by material support the ambitious young men in its employ.

Safety Contest

NEW Kensington and York are still tied for the lead in the Interplant Safety Contest, according to the report of the committee for June. Neither plant has had an accident so far this year.

Bloomfield and Pittsfield have dropped from Division 1, being replaced by Fort Wayne and Philadelphia. The standing of the plants is as follows, an asterisk denoting improvement over the previous month.

DIVISION 1	DIVISION 2
New Kensington	*Bloomfield
York	Oakland
West Lynn	Erie
Baltimore	ALL PLANTS
*Bridgeport	Pittsfield
*Fort Wayne	River Works
*Philadelphia	Schenectady

Building a River Tunnel on Dry Land

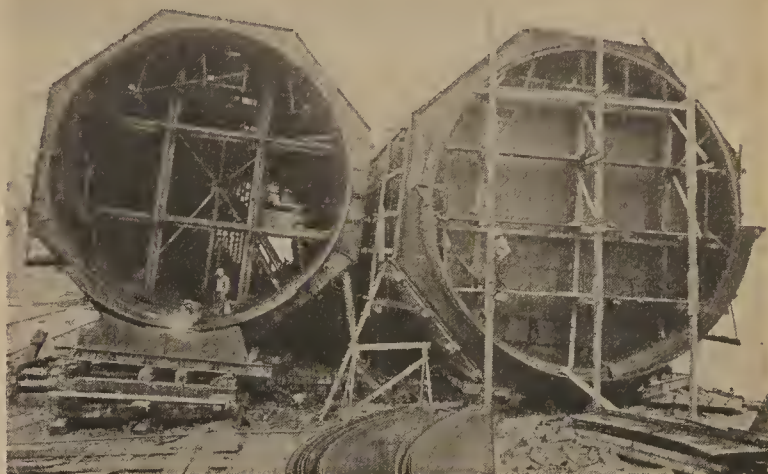
They Make the Detroit River Tunnel in Sections, and Sink it Afterwards

WE are quite accustomed to hearing of houses that are made in a factory and assembled on lots miles away, or even of houses that are sawed in half and moved to a new location. But a tunnel that is constructed on dry land in sections that are launched, floated into position and sunk to their places in the river bed is still rather surprising.

The new vehicular tunnel under the Detroit River between Detroit and Windsor, Canada, is being built in this manner by the Canadian Bridge Company at Ojibway, Canada, six miles down the river from the tunnel site. Each 250-foot section, with an inside diameter of 31 feet and an outside diameter of 35 feet, is constructed on regular launching ways, much as a steel ship. It is built up of 24-foot strips of steel plate electrically welded together. Approximately one and three-quarters tons of welding electrode is required for the 5200 feet of caulk welding around the full circumference of the shell in 42 places, and the 1100 feet of butt welding.

After all the rivets and welds are tested for possible leaks, bulkheads are placed at either end, and the huge tube, weighing 450 tons, is launched. It is towed to the dock

An End View of Two Huge Sections. The One on the Right has Bulkheads in Place Ready for Launching. Note the Welder Working on the Other Section.



of the Canadian Steel Corporation at Ojibway, where some 4200 cubic yards of concrete are poured in to form the lining and outside covering. Now weighing approximately 8000 tons, the shell is towed up the river to the tunnel site and sunk into the ditch in the river bed that has been dredged out for it.

On August 1, four of the sections had been set in place, and it is hoped that most of the remaining sections will be in place before cold weather comes.

The approaches are being bored by the largest shield ever used in North America. The tunnel from the corner of Randolph and Atwater Streets in Detroit to the river edge, 466 feet in length, was completed early this summer and the shield was transferred to the Windsor side where it is now working on the 986-foot approach to the river from that side.

This giant shield, 35 feet in diameter and 15 feet long, resembles a curious overgrown bur-

rowing animal. Its teeth and claws are the 110 men called muckers working in three shifts, whose task it is to dig away the dirt from in front of the shield with small power shovels. After the dirt has been removed, the shield is driven forward, 30 inches at a time, by hydraulic jacks that are capable of exerting a pressure of 150 tons. To make the resemblance to an animal more striking, a long tail projects from the posterior end of the shield. This tail prevents the roof of the tunnel from caving in until the steel lining and concrete inner lining is in place. Concreting begins as soon as the shield has moved far enough to allow room for the 25-foot form. The shield makes on an average three shoves a day.

The completed tunnel will be almost three-quarters of a mile long, approximately one-half a mile of which will be under the river. The roadway will be 22 feet wide and will allow a clearance of more than 14 feet overhead. The width of the roadway will permit the operation of two lanes of traffic continuously with ample space left for a third lane in case of an accident or fire.

The use of steel, which made this form of construction possible, was in turn made possible by arc welding. For arc welding, which is as cheap as it is efficient, makes seams that are perfectly watertight. G-E welding apparatus is being used, and is in no small measure responsible for the success of the undertaking. In addition, G-E has loaned the Canadian Bridge Company the services of C. C. Watson, of the Contract Service Dept., as welding inspector.



One of the 250-foot Sections Under Construction. The White Spot in the Photo on the Under Side of the Tube is Caused by the Glare from an Electric Welding Apparatus

George F. Baker: Man of Business

"WHEN Mr. Baker handles a transaction, he carries it through with a thoroughness that leaves no loose ends. He knows the



George F. Baker, Jr.

entire history of every paper that comes to him, and no detail is too small to escape his attention," said a business associate of George F. Baker, Jr., director of our Company, not long ago.

And it was this quality of thoroughness together with a straightforward manner of approach and a keen sense of personal integrity that attracted the late Charles A. Coffin, first president of our Company, ten years ago when Mr. Baker was elected to the Board of Directors at the age of 41, the youngest man on the board.

Mr. Baker was born in New York City, March 19, 1878, and was graduated from Harvard in 1899. Two years after his graduation, he became connected with the First National Bank in New York as an officer. Though his father was a wealthy man, Mr. Baker did not spend his time idling. He applied himself to the intricacies of the banking business, learning thoroughly the inner workings of every department, and in 1906 he was elected vice president and director. In 1922 he was elected vice chairman of the Board of Directors of the bank, not because he was the son of this illustrious father, but because he was an eminent banker fully prepared through his own effort and study to hold the position.

All of Mr. Baker's interests do not lie in the financial field, however. He enjoys many sports, chief among them yachting. Not so many years ago there were few men who could beat him as skipper of a sailing yacht. He raced with the best of them, including Charles Francis Adams, now Secretary of the Navy. His habitual thoroughness he brought with him into his sports. He knew the value of hav-

ing his boat ready, and was prepared for every emergency. In 1915 he was elected Commodore of the New York Yacht Club, and served until 1919. And in 1920 he was one of the men who financed the yacht, "Resolute," which successfully defended America's cup against Sir Thomas Lipton's "Shamrock IV."

Mr. Baker has also sailed his own boats on cruises to the Bahamas and West Indies. Recently he built his own yacht, based on his long experience in sailing and on his knowledge of marine construction. He had the foresight to recognize the application of electric propulsion to private yachts and smaller boats, and ordered a G-E turbine-electric drive. Incidentally, this was the first yacht to be so equipped, and since then G-E has successfully applied electric propulsion to many other private yachts.

During the war, Mr. Baker was active in relief work, and in 1917 he was made chairman of the American Red Cross Commission

to Italy to determine the scope of Red Cross work to be done there. As chairman of this commission, he held the rank of lieutenant-colonel.

In 1918 he enlisted as a private and was sent to Camp Zachary Taylor for training.

Some idea of Mr. Baker's ability as a banker can be gained from the great number and variety of his business connections. He is director of the Atlas Portland Cement Co., American Telephone and Telegraph Co., Delaware, Lackawanna and Western R. R., General Motors Corporation, International General Electric Co., Lackawanna Securities Co., New Jersey General Security Co., Provident Loan Society of New York, The Pullman Co., Chicago; Pullman, Inc., Chicago; United States Steel Corporation. He is vice president and director of the First Security Co. of New York, and a trustee of the Mutual Life Insurance Co. and the United States Trust Co. He is also trustee of the American Museum of Natural History, New York Public Library and the Frick Collection.

Changes in Pension Plan

UPON recommendation of the Pension Board the Board of Directors has approved the following changes in the Company's Pension Plan, effective September 1, 1929:

Paragraph 13 of the Pension Plan is amended to read as follows: "The term of service shall be computed from commencement of service with the Company."

Paragraph 19 is amended to read: "If the Federal Government of any State or Country in which the Company operates has, or shall have in the future, a pension law to the support of which the Company contributes directly or indirectly, pension pay-

ments made under the Company's Plan may be reduced by an amount received by the pensioned employee under such law."

Paragraph 21 is amended to read: "Neither the establishment of this plan, nor the granting of a pension, nor any other action now or hereafter taken by the Pension Board or the Company in relation thereto, shall confer on such employee a right to continue in the employ of the Company. The right and power of the Company to dismiss or discharge any employee is hereby expressly reserved."

Paragraph 24 is amended to read: "Disability Relief for men under 65 years of age and for women under 60 years of age may be discontinued at the discretion of the Pension Board in case disability ceases, or for any other cause."

GERARD SWOPE,
President.

SAFETY!
It's the Best Course to
Follow

Henry Ford Talks About Power

HENRY FORD, whose intense admiration for the genius of Thomas Edison has made him one of the chief supporters of Light's Golden Jubilee, the 50th anniversary of the invention of the incandescent lamp, made some very timely remarks concerning the development and future of the electrical industry in an interview printed recently by the *Electrical World*.

"Light's Golden Jubilee," said Mr. Ford, "is conceived and planned as a celebration of electrical progress in the last 50 years as it is typified by the improvement and universal acceptance of the incandescent lamp from its invention in 1879. But it is not that alone. I believe Mr. Edison would agree with me that the celebration should be taken, not as glorifying what has been done in the past 50 years, but as indicating what will be done in the next ten. I say ten years, because in that period we shall see an advance as great as that made in the past 50 years. The world is just getting its momentum. Ideas accomplish themselves much more rapidly than they did even 25 years ago.

"The use of electricity is yet little to what it will be in the next ten years. Power is the center of industry. It is assuming an indispensable place in agricultural and domestic life. We have not yet fully realized that the function of the workman is to direct power, not to exert it. We are closer to that realization in industry than in agriculture or in housekeeping. Having the energy of electricity to do our bidding, there is no reason for human backs to strain, for arms to lift nor legs to stagger under heavy loads."

"Today, as the result of five or ten years of expansion of electric systems, we see the land fairly well covered with transmission lines. We see some tentative tie-ins between industrial plants and central

stations for power interchange. But these interconnections between central station and industrial systems are only a start on what is to be done. The whole country will be



interlaced with lines as the area of a single system is today. There will be mutual co-ordination of energy demands and generation capacities between utilities and industrials so that the peaks and valleys of the load curves of the utilities may be smoothed out and economic use be made of by-product power from industrials. This ideal means unification of utility systems in business terms as well as electrical.

"People talk about a 'power trust.' I only wish that there actually were a 'power trust,' a central directing organization for the development and use of every power source in the country, tied into one national power system for the service of the whole country; that is, welded into one operating and business unit. It has got to come as the one necessary and economic method of power production. Our national power system will become a unit, just as our postal system is. This would mightily speed the day when electric power would fulfill its destiny as the bearer of mankind's burdens.

"It is of no importance except to those who use it as political capital that in the growth of power development this man or that man or any group of men should make much or little money. Profits are merely what we think we work for. They are of small account in com-

parison with what we do to get them. The real profit is not what the promoters get, but what the country gets. Men may work for money or to gratify a sense of power, but their work lives after them and belongs to the nation. The essential thing is to spread available electrical power far beyond present limits of extent and capacity. To do that we must enlarge our conception of its use so that the power that comes over the wire (or through the ether, when radio transmission becomes practicable) may be as common as air and as universally used.

"Certainly men will make money out of the supply of electricity, as they always have and always will out of any commodity or service, so long as human nature is so constituted as to expect or to hope for a reward for effort. But what difference does that make? The main thing is that the country is put in possession of its own resources. Politicians can hinder this development; you never heard of a politician developing any natural resource, did you? Trying to stop people from making money is shortsighted policy if they are doing something that will remain as a permanent increase of national wealth. Money cannot be held idle, for then it loses its value. Its only use and worth come from its passing on to others for work done or goods received. The critics of the electric utility industry have made too much talk on this phase of the situation. The money that has been taken out of the business in the form of profits from the sale of electricity or from the manipulation of company ownerships has gone back into this industry or into another one, and is nothing when compared with the profits which the public has been able to make through electric light and power.

"Get electricity across to the people by the same way that automobiles have been got across to them. Create a desire for what electricity will do for them. They do not ask to understand the technology of electricity nor even the business phase of the industry. They need only be shown how tremendously much more electricity can do for them if they will only let it. This does not mean propaganda of what electric companies have done and can do; you are not selling companies, you are selling electricity for what it can do in home, shops, on the highway or on the farm. The appreciation of which I speak must be implanted by doing, by supplying the power and letting it work. Corraling the sources of power and doling it out is not the way; we must provide power so lavishly that it will be cheaper to use it than not. It is to be done by giving more and more electricity for less and less money and by teaching how these greater quantities can be used profitably and with benefit in every direction.

"This, then, is my idea of the meaning and opportunity of Light's Golden Jubilee to the electric utilities—by celebrating the past, to open up a vista of the future. What has gone before is merely a preparation for what is to come. From executives down, every man, woman and child in the electric business should have this thought firmly in mind, that he or she has a part in working out a vision so vast that no man can see it entire. As Mr. Edison has said, it is beyond our comprehension, just as the present development was beyond the comprehension of his early days."

Record Supplementary Compensation Paid

ON August 5 our Company paid \$1,825,832.27 in supplementary compensation to employees at its various plants and offices who have been in the service of the Company for five years or more. This sum, the largest amount which has ever been distributed, represents five per cent of the earnings of employees for the six months ending June 30. The largest amount, \$584,342.42, went to the Schenectady Works, in

which 11,618 employees are eligible to receive the compensation.

The distribution of the total amount was as follows:

Works	Amount
Schenectady.....	\$ 584,342.42
River Works.....	242,742.63
West Lynn.....	71,081.05
Pittsfield.....	177,628.48
Erie.....	121,145.18
Fort Wayne.....	129,880.28
Bloomfield.....	37,517.36
Bridgeport.....	42,113.98
Philadelphia.....	36,866.36
Other Works.....	14,614.71
Total Works.....	\$1,457,932.45
Incandescent Lamp Dept.....	\$ 156,454.54
Other Depts.....	6,175.11
General Office.....	74,177.64
District Office.....	131,092.53
Total.....	\$1,825,832.27

Total payments made by the Company to its employees in this form for the past five years amount to the sum of \$15,757,722.

W. J. Foster Retires

WHEN William J. Foster, assistant engineer of the A-c. Engineering Dept. for more than 37 years and consulting engineer for the past three years, retired from active service on July 1, he received a personal letter from President Swope. President Swope's letter and Dr. Foster's reply follow:



William J. Foster

June 25, 1929

Dear Dr. Foster:

Mr. Allen has written me that you are retiring on July 1 after 37 years of service. I am sure if any man can, you can lay down the burdens of this great engineering work with a sense of deep satisfaction and pride in the changes and developments that have come during this period, to many of

**Spend Your
Vacation
Safely and Wisely**

which you have made a very signal contribution.

It is a fine ideal to have men retire when they still can find a zest for enjoyment and watch the younger men who are coming along take up the burdens and carry them forward. I hope for many years you are going to enjoy good health and the avocations to which you are going to devote yourself and that from time to time you will look with pardonable pride to the youngsters who are struggling with their burdens and maybe give them a word of cheer and encouragement in their work.

With all good wishes, I am

Sincerely yours,

GERARD SWOPE.

July 16, 1929

Dear Dr. Swope:

Your kind letter of June 25 was forwarded to this place where we are spending the month of July with our son and his family.

I thank you for your words of appreciation and for your good wishes. My term of service with the General Electric Company lacked only five or six weeks of 38 years, but seemed far less than that, so delightful were my relations with my associates and so congenial the engineering developments that I participated in. Looking back now, as I have occasionally in the past, my only regret is that I did not get into practical engineering two or three years earlier instead of teaching.

Allow me in turn to express the admiration I have for you in guiding the activities of a great organization with such skill and boundless energy, gaining and retaining the loyalty and co-operation of tens of thousands of young fellowmen.

The General Electric Company will continue to be very dear to me and I shall expect it to maintain its pre-eminent position both in its engineering accomplishments and in the good will it has acquired.

I hope you may enjoy the best of health and every joy in your domestic life.

Sincerely yours,

WILLIAM J. FOSTER.

Speaking of Operations

*Don't Boast About Yours if it Was Made Difficult and Expensive
Through Your Own Blundering*

By DR. H. W. GARTON, *Fort Wayne Works Physician*

HAVING exhausted weather as a topic of conversation, two women not long ago started reciting their fascinating little pieces entitled "My Operation."

Mrs. A was very proud of her one-inch long incision. She was out of bed on the fifth day and was able to leave the hospital before the tenth day. Mrs. B., who recited last, had a similar operation, but with entirely different results. Her's was a four-inch incision, high and wide. Her appendix had ruptured just as it was being removed, which, of course, made her an object of real concern to the surgeon. For days after the operation she had to have a rubber tube in the wound, and it was a month before she could leave the hospital. That was an operation to talk about, one that could command a front row seat with the best (or worst).

Mrs. B. was quite at a loss to explain the cause of her trouble. It must have been pure maliciousness on the part of her appendix, she thought. She had done all she could to help the doctor before she called him on the third day of her illness. She had kept her stomach well filled with specially prepared food, had taken a half dozen dyspepsia pills and had taken a cathartic every night. Somehow the doctor didn't appreciate her efforts. He bluntly told her that she had done everything in her power to make a difficult and nasty case for him. But then, doctors are that way.

And what is the point of the story? It is simply this. In appendicitis and cancer, both diseases of the digestive tract, delay in calling a physician or blundering attempts at self-treatment add to the length of disability and often cause

death. On the other hand, prompt treatment reduces expense, disability and worry.

A well-known surgeon has said

paratively simple operation with a low death rate. The death rate immediately goes up when people fill up their stomachs with food and cathartics in the presence of an acutely inflamed appendix. How can you tell when your appendix is inflamed? You can't and shouldn't. What you can do, in the event of an acute, persistent pain in the abdomen, until you can obtain medical aid, is to go to bed, keep the stomach empty and above all, take no cathartics, physics or other internal ammunition. The abdomen is "so full of a number of things" that often the surgeon has difficulty in determining which is the offending organ. You can detract from the general con-

fusion by carrying out these simple precautions.

Cancer is a disease which many people imagine they have, and many of those who really have it discover too late. Successful treatment, which prolongs life, depends on early detection and prompt surgical removal. A safe and practical rule for anyone to follow is this: any individual past 40, who develops a new and persistent digestive disorder, should submit himself for a thorough medical investigation. This measure, which permits early detection, represents the one most effective weapon which the medical profession has against cancer. The education of the public in this regard is a vital part of the prevention program.

To summarize, delay in seeking competent medical attention, and attempts at self treatment are two factors which add materially to the length of disability and to the death rate in cancer of the digestive tract and in acute appendicitis.



that the death rate from appendicitis is an index of the education (or ignorance) of the community along the lines of prevention. What he meant was that the removal of an appendix in the early stage of disease or in the interval of quiescence between attacks is a com-

KEEP Your MIND ON YOUR JOB



The Man
who brings his BODY
to work

But

leaves his MIND
somewhere else
is



"JUST AN Accident GOING
SOME PLACE TO HAPPEN"

Courtesy Liberty Mutual Insurance Co.

Electricity in G-E Factories

(Continued from page 3)

kilowatt hours. So when each average G-E shop worker last year used 5580 kilowatt hours in the factory, he used as much as 12 families do at home.

This power was used to operate tools, hoists, hammers, cranes and electrical apparatus of various kinds. The total of such installations equals almost a half a million horsepower in the G-E factories. This is the total capacity of all the motors, the lights, the electric ovens, furnaces and the welding apparatus. How much is it per worker?

The installed horsepower per wage earner is equal to about 7½. Since each horsepower roughly equals the muscle work of 10 men, it means that the average G-E shop worker (machinists, patternmakers, electrical workers, etc.) has the equivalent of 75 imaginary rough laborers doing the muscle work. So the G-E men do not have to swing a sledge as much as the blacksmiths of the past generation, or wield a saw, or lift, or push, or drag like labor did before the electric age.

G-E Sales Jump

SALES billed for the first six months of 1929, announced by President Swope, amounted to \$194,353,307.99 compared with \$158,015,221.41 for the corresponding period last year, an increase of 23 per cent. Profit available for dividends on common stock for the first six months of 1929 was \$30,-740,768.02 compared with \$24,388,-002.58 for the same six months last year.

The profit available for common stock for the six months is equivalent to \$4.26 in 1929 and \$3.38 per share in 1928 on the 7,211,481 shares outstanding.

Orders received during the first six months of 1929 amounted to \$220,716,456 compared with \$170,-357,797 during the corresponding period last year, an increase of 30 per cent. For the second quarter the orders received were \$119,351,-248 compared with \$90,431,957 for the corresponding quarter last year, an increase of 32 per cent.

Death Claims Paid, Disability Claims Allowed During June, 1929

Death Claims								
Years	Date of Death		Employees	Age	Bene- ficiary	Free Ins.	Bene- ficiary	Add'l Ins.
<i>Schenectady Works</i>								
35	Mar.	7	Frank Reis	78	Wife	Yes		
19	Apr.	8	Charles P. Guetz	76	Wife	Yes		
25	May	24	Hiram P. Westfall	63	No		Nephew	Yes
16	May	26	Arthur Carpenter	50	Wife	Yes	Wife	Yes
27	May	29	Adolph Braun	50	Wife	Yes	Wife	Yes
18	May	31	Michael N. Sobeski	68	Estate	Yes	Step-son	Yes
13	June	17	Mike Secone	40	Wife	Yes	Wife	Yes
22	June	18	Alexander Feltman	54	Wife	Yes	Wife	Yes
19	June	19	Frank Gagne	45	Wife	Yes	Wife	Yes
30	June	23	George W. Stuart	65	Wife	Yes	Wife	Yes
<i>River Works</i>								
19	May	22	Alexander McColl	64	D'ghter	Yes	Daughter	Yes
2	May	26	Michael Milano	39	Wife			
15	May	29	Alfred A. Mader	52	Son	Yes	Son	Yes
45	June	7	Charles M. Morey	71	Wife	Yes	Wife	Yes
<i>West Lynn Works</i>								
20	June	7	John Hall	78	Wife	Yes		
13	June	13	Della C. Dananey	48	Sister	Yes	Sister	Yes
<i>Pittsfield Works</i>								
20	May	29	Dennis Geary	69	Wife	Yes	No	
16	June	8	Thomas Prentice	67	Wife	Yes	Wife	Yes
23	June	15	Homer Downing	64	Wife	Yes	Wife	Yes
<i>Erie Works</i>								
6	May	25	Oscar W. Peterson	53	Wife	Yes	Wife	Yes
3	May	31	William T. Smith	20	Mother	Yes	Mother	Yes
<i>Bloomfield Works</i>								
11	Apr.	28	Harry C. Utter	62	Sister	Yes	Estate	Yes
<i>Merchandise Department</i>								
1	June	6	Nellie C. D'Apice	21	Mother	Yes	Mother	Yes
<i>Philadelphia Works</i>								
3	June	8	William J. Bernard	27	Aunt	Yes	Aunt	Yes
<i>General Office</i>								
2	June	14	John N. Hyatt	23	Mother	Yes	Mother	Yes
1	June	15	Ralph D. Bowman	17	Mother	Yes	Mother	Yes
<i>Chicago Office</i>								
8	May	19	Cleland B. Maxham	27	Mother	Yes	Mother	Yes
<i>The Maqua Company</i>								
17	June	17	Arthur V. Baxter	42	Wife	Yes	Wife	Yes
<i>Incandescent Lamp Dept.</i>								
10	June	28	Frank O. Dunster	51	Wife	Yes	Wife	Yes

	No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of June 1929.....	28	\$25,814.78	24	\$33,500
Claims paid previously reported 1929.....	179	213,563.49	170	276,500
Total claims paid 6 months, 1929.....	207	\$239,378.27	194	\$310,000

Disability Claims				
Years	Date of Grant	Employees	Age	Add'l Ins.
<i>Schenectady Works</i>				
13	June 3	Allan C. MacIntyre.....	49	\$2,000
30	June 27	Ignacy Ordun.....	59	2,000
<i>River Works</i>				
17	June 7	Eugene Sweeney.....	50	1,000
11	June 26	Frederick G. White.....	41	2,000
<i>West Lynn Works</i>				
4	June 12	Ernest C. Killam.....	45	1,000
Disability claims granted June, 1929.....			5	\$8,000
Disability claims previously reported 1929.....			26	42,000
Total claims granted 6 months 1929.....			31	\$50,000
Total Death and Disability Claims paid since Jan. 1, 1920				\$5,100,756

GIRLS' SECTION

Elex Club Sponsors Picnic

"DID you enjoy the picnic last night?" "Did I! Say! I haven't had such a good time for a long while." The foregoing conversation took place between two girls riding to work on the street car one morning, and the picnic referred to was the *All G-E Girls' Picnic* held in Trier's park, July 30. Elex Club members were responsible for this affair, attended by 450 girls.

Immediately after work the girls filled four G-E trucks for the short ride to the park. Upon arrival a "bread line" was formed and every girl was soon served a delicious supper. To help make the picnic a success, Mr. Trier gave the girls reduced rates on all the amusements, including the dancing.

The members of the Wayne Knit girls' baseball team and Mrs. F. H. Reeves were guests.

Too much credit cannot be given to the Elex Club members who planned and carried it out. The executive committee, composed of the club officers and section chairmen, i.e., Hilda Walda, Lenora Schoppmen, Jo Magers, Audrey Ries, Lois Miller, Irene Meyers, Marie Blough, Louise Hilger, LaVera Vail and Esther Moll, worked industriously. Other committees included:

Leona Farra, Victoria Cunningham, Louise Lawson, Emma Goodman, Mary Smethers, Frieda Brandyberry, Golda Mentzer, Ideal Frock, Bessie Chapman, Anna Bishop, Blanch Metkner, Hilda Wesling, Mercedes Rife, Helen Shaefer, Lena Shull, Margaret Motherwell, Lucile Miller, Irene Stier, Helen Stahl, Caroline Hans, Mae Wolfcale, Irmgarde Gehle, Josephine Offerle, Florence Case, Marie Smith, Mary Thomas, Ruth Sweitzer, Hulda Smith, Marie Welch, Marie Fowler, Ina Nahrwold, Mary Ulmer, Ethel Grabner, Gertrude Kelly, Mary Henline, Ivena Zigler, Hilda Lake, Alma Enderly, Mattie Murray, Opal Wright, Hona Hawkins, Clara Gilmore,

Viola Grover, Alice Aichens, Ruth Lemert, Doris Lontz, Eleanor Paetz, Loretta Reese, Violet Brower, Alice Smith, Ada Bunn, Flora Gernan, Lucile Baker, Flora McClure, Ethel Chapman, Louise Jones, Mary Thomas, Hilda Smith and Mary Vierath.

Radio Trans. Dept. Office Girls Enjoy Outing

AFTER work on Wednesday, June 28, the girls from the Radio Trans. Dept. Office, Bldg. 26-2, motored to Blue Lake. After a dip in the lake came eats. A nice, juicy steak at "Mack's" in Churubusco appeased keen appetites and then the group returned to Fort Wayne. Those who participated were Berniece Riley, Thelma Johnson, Victoria Cunningham, Elda Lipp, and Marie Blough.

Mrs. Genevieve Ayers Honored

ON July 11, prior to her leaving for California, the co-workers of Mrs. Genevieve Ayers, Small Motor Dept., Bldg. 17-2, surprised her with a noon-hour party. The dinner was served cafeteria style, the guests seating themselves at long tables. Lovely bouquets of summer flowers decorated the honor guest's table. During the dinner Eleanor Paetz, little daughter of Mrs. Eleanor Paetz, Bldg. 17-2, gave several readings, and Margaret Wohlford sang a number of songs. At the close of the dinner

Vernon Castle, foreman, on the behalf of the employees presented Mrs. Ayers a traveling case and pullman robe. In every way the dinner party was a huge success.

The following employees were present: Bonnie Carnes, Maud Miller, Justine Keller, Irene Roberts, Wanie Yeoman, Olene Shady, Leo Figel, Lydia Gillespie, Vivian Rackett, Loretta Reese, Lillian Grossman, Catherine Keller, Thelma Pence, Edith Smith, Lucille McLaughlin, Agnes Gebhart, Marion Taylor, Helen Fletcher, Geraldine Plattner, Clara Vollmer, Ethel Flaugh, Marie Speese, Ilay Souder, Grace Wheeler, Edna Buuck, Ida Gerke, Bessie Murray, Thelma Griswald, Bertie Hawk, Fern Boger, Ruth Miller, Mary Hayden, Edna Johnson, Helen Schroeder, Rose Long, Maida Combs, Anna Dunlap, Bessie Rennecker, Marie Schempershowe, Marie Blair, Clara Bower, Ada Bultemeyer, Stella Rice, Elizabeth Moser, Pauline Badiac, Ethel Evilsizer, Janice Chasey, Bessie Justus, Barbara Dirr, Beth Shaw, Florence Desch, Ada Cramer, Elsie Westendorf, Mildred Milholland, Viola Springer, Emma Reifstack, Edith Hosler, Alta Ruppert, Laura Roland, Ether Van Emon, Opal Cuney, Josephine Eperlding, Margaret Ormiston, Lela Reidenbach, Ruth Schroeder, Ella Black, Thelma Oswald, Blanche Kreig, Hazel Henschen, Margaret Flaugh, Maggie Stoller, Rose Smith, Doris Martindale, Edith Null, Stella Dauksza, Frieda Ramm, Dorothy Johnloz, Mary Lec, Eva Krim, Mildred Balliet, Ethel Leimenstoll, Stella Goings, Esther Cupp, Ethel Murphy, Florence Griffith, Alice Ewert, Opal Brickley, Zadie Griffith, Mabel Hall, Rose Ducy, Alvina Zwick, Emma Bertsch, B. Gerardot, Opal Weaver, Edna Crow, Audeline Immler, Lillian Wilkenson, Nora Crimm, Mary Bickel, Eulalia Furge, Irma Miller, Beulah Tumbleson, Lorena Weber, Frances Wilkie, Zella Sheehan, Gladys

Hostler, Ethel Ruch, Alta Weller, Zalia Hoffman, Mary Hoffman, Ruth Hofer, Iris Gressley, Madeline Correll, Waneta Chancey, Edith Venrick, Nellie Jump, Flora Maples, Grace Blosser, Josephine Collison, Pearl Stoller, Margaret Putt, Anna Bendle, Alta Reed, Margaret Gerber, Belle Buchan, Odie Schlotter, Pearl Heatherley, Myrtle Schafer, Esther Alt, Pauline Bader, Irma Peters, Suzanne Biderlot, Edna Baumgardner,



Transformer Girls at Trier's Park. Left to right: Elsie Dairs, Ethel Boon, Blanche Kanning, Alma Hirshy, Anna Bowman, Ruth Riley, Theresa Thomas, Ruth Hawk and Bessie Chapman.

Wilma Brechiesen, Katherine Koenig, Lucinda Gerber, Wilda Wilson, Dorothy Forst, Cora Dornte, Lucille Reidenbach, Lavaun Kurtz, Audrey Bowman, Gertrude Bertsch, Nora Hammon, Matilda Schneider, Agnes Sterlin, Ethel Klopfenstein, Helen Foltz, Ruth Barnes, Ellen Fisher, Fern Geib, Enid Stillwell, Lela Avery, Retha Schroeder, Eva Hopkins, Gertrude Siebold, Ruth Young, Hazel Johnson, Aneta Torbeck, Florence Kinder, Crystal Mechling, Thelma Baxter, Loretta Springer, Neola Grim, Ilo Vance, Helen Scheuman, Luella Murray, Faye Hambleton, Laura Price, Irene Winnecke, Viva Chalfant, Myra Feipel, Rose Dowling, Hazel Gallimore, Evelyn Foulks, Johanna Alles, Alice Shoda, Goldie Axt, Blanche Baker, Ruth Crawford, Mones Meyer, Lena Buuck, Thelma Masters, Helen Miller, Irma Kinnell, Naomi Scoles, Marie Scholz, Margaret Percell, Bertha Jenks, Velma West, Madeline Walker, Hettie Grice, Catherine Foley, Margaret Lowe, Pearl French, Effie Wyatt, Rosella Stout, Faye Hostler, Theresa Ott, Ethel Wilson, Elsie Patterson, Mary Seffle, Ethel Slater, Helen Peel, Julia Hall, Eleanor Wann, Lillian Buckmaster, Ida Trenary, Dorothy Wesling, Esther Bultemeyer, Hulda Balliet, Florence Pence, Bertha Droege, Esther Siebert, Florence Kintz, Naomi Robinson, Vera Nelson, Cecil Gordon, Lillian Sinn, Ida Sinn, Emma Sinn, Oletha Manhensmith, Mary Bertsch, Alta Miller, Clara Feldman, Elsie Gerardot, Therssa Zumbrum, Hilda Hammer-smith, Carrie Ferrell, Nellie Van Wormer, Agnes Finnegan, Marie Kohart, Lela Bryant, Edith Larkin, Berniece Robrack, Oral Weist, Martha Shull, Mary Ryan, Anna Sickafus, Berniece Kinder, Margaret Hartley, Bertha Schureur, Gladys Feaser, Elsie Brecheisen, Edna Callow, Veda McConnehey, Doris Lontz, Goldie Griebel, Gertrude Dam-meyer, Louisa Railing, Alice Lydy, Mary Yost, Alrieta Wafer, Dulcie Woodward, Opal Spencer, Emma Pfister, Marguerite Dailey, Genevieve Shaughnessy, Ethel Hutchins, Mary Armstrong, Elva McMaken, Zadie Prugh, Luella Motter, Violet Sterlin, Helen Freewald, Ida Wehmeyer, Mildred Harber, Caroline Snyder, Marguerite Koch, Mildred Shoemaker, Irene Pearson, Fletha Lontz, Mary Lauer, Eva Fisher, Minnie Robinette, Mildred Todd, Helen Woods, Matilda Salisbury, Frances Bigelow, Katherine Wiegeler, Evelyn Tracy, Bertha Guy, Hallie Hosler, Orda Ludy, Opal Kittle, Annabelle Starr, Eleanor Mulligan, Wilma Heisler, Ruth Reichard, Ruth Davis, Alma Jones, Mildred Griffith, Janet Ferguson, Fern Grimes, Esther Stellhorn, Gertrude Fuesner, Marie Guiff, Alta Hahnert, Dorothy Bivens, Hildegard Mueller, Alva Pranger, Margaret Smith, Agnes Sleeter, Mildred Pfeister, Lauretta Bechtold, Orpha Heath, Betty Weaver, Betty Pfeister, Loveina Bunnell, Margaret McKee, Mary Treney, Olive Smith, Eleanor Paetz, Violet Brower, Helen Harber,

Mabel Gilbert, Lois Miller, Ruth Lemert, Viola Kissinger, Margaret Wohlford, Esther Moll, Virgil Guiff, Charles Rice, Verne Pray, Harold Amstutz, Orval Paul, Otto Brandt, William Stabler, Paul Koogle, Hugh Reynolds, Norbert Case, Ned Foster, William Ramsey, Walter Kryder, Frank Schidler, Kermit Manecke, Otis Holzworth, Norbert Hans, P. Neuman, C. Culver and V. Castle. Eleanor and Marjorie Paetz were guests.

Post Nuptial Shower for Payroll Dept. Bride

GIRLS in Payroll and Accounting Depts., Bldg. 18-2, gave a post nuptial shower for Mrs. Dorothy Osborn Curry, July 25. The party was held in Foster Park. The girls all gathered around one of the long tables and partook of a pot-luck dinner. After the dinner the girls enjoyed games and contests.

In the group were Mrs. Curry, Vera Hevel, Carolyn Holz, Ann O'Brien, Ruby Kuhn, Leone Stone, Dorothy Bixler, Emily Smith, Eva Burgan, Mae Virgil, Eva Overly, Helen Litot, Hilda Schwartz, Lora Redding, Devona Kaehr, Naomi Armstrong, Deloras Orr, Erma Somers, Ruth Bell, Ann Walburn, Muriel Winefer, Lena Shull, Pearl Quaintance, Marsha Yahne, Bonnie Bowers, Louise Borgman, Marjorie Crick, Helen Gnau and Alma Olson.

Irene Myers Entertains Meta Beta Club

IRENE Meyers entertained members of the Meta Beta Club, July 24 at her home on Huffman St. The girls played progressive pinochle and prizes were won by Lillian Putt and Myrle Strauss. Later a delicious luncheon was served in the dining room where a color scheme of yellow and white was carried out.

The following, all of the Meter Dept., were present: Irene Meyers, Irene Parr, Betty Hiltner, Myrle Strauss, Leona Rowe, Lillian Putt, Catherine Mills and Louise Jones.

Finishers in Bldg. 26-3 Enjoy Picnic

ON July 12 girls employed as finishers in the Transformer Dept., Bldg. 26-3, went to Triers

Park immediately after work for a picnic. Thoughts of a picnic supper under the cool shade trees had put a keen edge to appetites and of course the pot-luck supper was the first thing. Grace Dutro, scheduled to bring the olives, was detained and almost caused a panic, but she arrived at the last minute and everyone was happy. Then the girls forgot they were grown up and enjoyed all the amusements. In the games prizes were won by Blanche Manning, Anna Bowman and Theresa Thomas.

Blanche Manning, Gertrude Thomas, Elsie Dairs, Gladys Houser, Esther Harting, Alma Hirshy, Ruth Riley, Anna Bowman, Theresa Thomas, Ethel Robinson, Grace Dutro, Carol Frame, Hettie Powlen, Georgia Bell, Lucille Goben, Mary Wolf, Bessie Chapman, Mary Angel, Ruth Hawk, Olive Birkshire, and Ethel Boan were all present to enjoy this picnic.

Alice Eggers Announces Approaching Marriage

ON July 18, Alice Eggers, Order and Stores Dept., Bldg. 18-1, entertained at her home, 3117 Thompson Ave., honoring her cousin, Mrs. Henry Krahn of Altenburg, Mo., and also announcing her approaching marriage to Rev. Herman Warneck, son of Mr. and Mrs. Otto Warneck, of St. Louis, Mo.

During the evening guests played bunco, prizes being won by Hilda Lahrman and Mrs. Walter Binckley. Following the games music was furnished by Della Scheimann. Later in the evening a delicious lunch was served to the guests seated around small tables. Miniature brides, cleverly formed from clothespins, perched saucily on the water glasses, and the place cards were tiny hearts folded in the napkins one of which contained the inscription "Alice and Herman, August 18."

The guests at this lovely party were Henry Krahn, R. Bowman, W. Binckley, G. Keen, Della Scheimann, Hilda Schwarze, Helen Krauhs, Mildred Koster, Marie Pfeider, Amanda Hanefeld, Margaret Rathkeb, Adella Hanefeld, Natalie Kohlmeier, Luella Nahwold, Norma Leuders, Kathryn Peters, Hilda Lahrman, Martha Crote, Ima Clevinger, Frieda Nahwold and Helen Wiebke.

Weddings

Schlatter-Harshbarger

On June 22 the Plymouth Congregational Church was the scene of a pretty wedding which united in marriage Goldie May Harshbargar, Wire and Insulation Dept., Bldg. 12-1, and Elmore N. Schlatter. Rev. Arthur J. Folsom performed the ceremony. Only the immediate families witnessed the wedding. Mr. and Mrs. Schlatter left immediately for their honeymoon in Detroit. For the present they are residing with the groom's parents, Mr. and Mrs. Ben Schlatter, 842 Lake Ave. Mr. Schlatter is an employee of the Kroger Grocery Co.

Kanning-Byerley

The marriage of Velma Byerley, Meter Dept., and Herbert Kanning was solemnized June 23, at the Emmaus Lutheran Church with Rev. Philip Wambsganss officiating. Following the ceremony Mr. and Mrs. Kanning left on a wedding trip to Yellowstone National Park and other points in the west. For the present they are residing with Mrs. Kanning's parents, Mr. and Mrs. David Byerley, 1110 Barthold St., until their home on Euclid Ave. is completed.

Carsten-Lee

Evelyn Lee, Small Motor Dept., Bldg. 17-3, and Philip Carsten, Apparatus Dept., Bldg. 19-2, were married June 29, the ceremony taking place at the Methodist Church in Waynedale. The couple were attended by Louise Cooper, bridesmaid, and Adrian Leonard, best man. The little Misses Jeanette Smuts, Rosalind Canatsy and Phyllis Adams were flower girls and ring bearer. Mr. and Mrs. Carsten have returned from a wedding trip and are now at home in Waynedale.

Stone-Quinn

The marriage of Leone Quinn, Payroll Dept., Bldg. 18-2, and Glenwood Stone, Bldg. 26-5, took place on July 6. The ceremony was performed by Rev. F. W. Knatz in the parsonage of the Salem Reformed Church. Ruth Quinn attended her sister as bridesmaid and William Stone was best man. Immediately after the ceremony Mr. and Mrs. Stone left for Bay City, Mich., for their honeymoon.

Feasel-Cookson

On July 13 the marriage of Golda Cookson, Transformer Dept., Bldg. 26-1, and Vilas Feasel, Winter St. Plant, took place in the parsonage of the United Brethren Church at Pleasant Mills with Rev. M. Birk officiating. A wedding dinner was served on Sunday at the home of the bride's parents, Mr. and Mrs. W. A. Cookson, 1860 Lindley Ave., where

the young couple are residing for the present.

Winans-Rost

In a simple ceremony solemnized July 15, at St. Patrick's Catholic Church Francille Rost, Transformer Dept., Bldg. 26-3, became the bride of Robert Winans. Rev. J. C. Keating performed the service. Anita Huguenard and Kenneth Winans were the attendants. Following the ceremony a wedding breakfast was served at the home of the groom's parents, Mr. and Mrs. H. Winans, 2931 Piqua Ave. Later the couple left on a week's wedding trip. Mr. and Mrs. Winans are now residing with Mr. Winan's parents.

Adamske-Eising

Marie Eising and Herbert Adamske, both of the Meter Dept., were united in marriage July 16, the service taking place at St. Peter's Catholic Church with Rt. Rev. Charles H. Thiele officiating. Mr. and Mrs. Adamske took a wedding trip through the east and are now at home on Robinwood Drive.

Gasbors-Boerger

On July 20, Alma Boerger, Meter Dept., Bldg. 26-4, became the bride of Gustave Gasbors, Special Machine Dept., Bldg. 26-5. The ceremony took place at St. Peter's Lutheran Church near De-

catur with Rev. L. W. Dornsief officiating. Preceding the ceremony Mrs. Lydia Sawyer sang "Whither Thou Goest." Only the immediate members of the families were present. Following the services a wedding dinner was served at the country home of the bride's parents, Mr. and Mrs. Otto Boerger of near Decatur. Later the young couple left on a wedding trip to Chicago and Wisconsin. Mr. and Mrs. Gasbors are now at home in their newly furnished apartment, 2236 Fairfield Ave.

Crowell-Schott

Velma Schott, Transformer Dept., Bldg. 26-2, and Lee Crowell, the Small Motor Dept., Bldg. 4-3, were united in marriage July 20, the ceremony taking place in the parsonage of the Emmaus Lutheran Church, Rev. Fred Wambsganss officiating. Catherine Koenig and Robert Schott, a cousin and a brother of the bride, were the only attendants. Following the ceremony a wedding dinner was served at the home of the bride's parents, Mr. and Mrs. August Schott, 1211 Taylor St., and later the couple left on a wedding trip. Mr. and Mrs. Crowell are now residing at 1207 Taylor St.

Nommay-Girardot

On July 24 the wedding of Elsie Girardot and Raymond Nommay was solemnized at St. Andrew's Catholic Church, Rev. Nicholas Allgeier officiating. The bridal party included Henrietta Lauer, Marie Girardot, the bride's sister, and little Jeanne Hench. Russell Nommay attended as best man and Edmund Kaliker and Earl Girardot were ushers. Following the ceremony a wedding breakfast was served to 50 guests at the home of the bride's parents, Mr. and Mrs. August Girardot, 2802 New Haven Ave. Later in the day Mr. and Mrs. Nommay left on a wedding trip. Mrs. Nommay is in the Small Motor Dept., Bldg. 17-2, and Mr. Nommay, Special Machine Dept., Bldg. 26-5.

Three G-E Men Belong to A.S.M.E.

THE American Society of Mechanical Engineers, an organization similar to the A.I.E.E., is represented by three members in our local technical staff. These Fort Wayne Works members are B. C. Evans and F. A. Arnold, Tool Division, Bldg. 17-4, and C. H. Matson, assistant to general superintendent, Bldg. 18-1. In all there are 17 members of the A.S.M.E. in Fort Wayne. *Mechanical Engineering*, the official publication of the A.S.M.E., is rated as one of the leading technical publications and is available in the Works Library, Bldg. 18-5.



22-lb Pike, 43 Inches Long, Caught by Richard Dornbush, Bldg. 26-4, at Long Lake, Near Freemont, Mich.

JUNIORS' PAGE

Dear G-E Juniors:

I received so many nice letters last month, and am glad that the July puzzle pleased so many of you. The ten vegetables that we found hidden among the white lines are: tomato, cabbage, cucumber, bean, pea, mango, beet, carrot, onion and turnip. Some of you found every one of them, and some of you thought the carrot looked like a radish or a parsnip, and it does somewhat, so if you found nine of the same vegetables that we did, we counted your answer correct. Prizes were sent to Josephine Ruhl, Carl Joseph Thomas, June Bly, Orville Fennig and Norman W. Stoller at Fort Wayne and Catherine Murphy and Leo Miller at Decatur. Besides these I received letters from: Eugene Wyss, Dorothy Wyss, Helen Houser, Pansy Plant, Maurice Plant, Berniece Moore, Dorothy Jockel, Arno Schelper, Dorothea Prange, Annabell Bahr, Mildred Bahr, Harry McClure, Albert Devaux, Elmar Devaux, Mildred Scheumann, Ruth Swank, May Potterfield, Dorothy Gebhart and Victoria Wesling at Fort Wayne, and Marion Jackson, Sephus Jackson, Catherine Jackson, Esther Fisher, Romaine Raudebush and Ruth Raudebush at Decatur.

I received answers to the June puzzle from Romaine Raudebush and Leo Miller at Decatur, and June Bly at Fort Wayne, but they came too late for us to publish the names in the July WORKS NEWS; however we gave credit to the Juniors whose answers were correct.

Even in these hot summer days of August I know all of you will be having good times. June Bly is going to spend the last two weeks of August at Crooked Lake. Dorothy Prange already has spent two weeks this summer at Clear Lake and has learned to swim and float. Dorothy Jockel who lives in the country mentions the fun she has been having with her dog and chicken pets. Albert and Elmar De-

vaux and Harry McClure, who live in the country, have been helping make hay, and Ruth Swank has been earning money picking strawberries and green beans. Catherine Murphy tells me she will celebrate her birthday August 3, and Josephine Ruhl's birthday comes on September 29. It's a mighty jolly bunch of Juniors who write to me and I enjoy the letters very much. No doubt you have had some snapshots taken during your vacations, and as we need some pictures to use on our page, suppose you send me some good ones.

For this month we have a different kind of a puzzle. The answer is the name of something which is manufactured by the General Electric Company at Fort Wayne. At the beginning of the puzzle we tell you how to solve it. I wonder how many of you will be able to work it out. When you write me, tell me what you think of this kind of puzzle. I shall be anxiously waiting for your letters.

Your sincerely,

Jill

The Circus Day Parade

*Oh! the Circus-day parade! How the bugles played and played!
And how the glossy horses tossed their flossy manes, and neighed,
As the rattle and the rhyme of the tenor-drummer's time
Filled all the hungry hearts of us with melody sublime!*

*How the grand band-wagon shone with a splendor all its own,
And glittered with a glory that our dreams had never known!
And how the boys behind, high and low of every kind,
Marched in unconscious capture, with a rapture undefined!*

*How the horsemen, two and two, with their plumes of white and blue,
And crimson, gold and purple, nodding by at me and you,
Waved the banners that they bore, as the Knights in days of yore,
Till our glad eyes gleamed and glistened like the spangles that they wore!
How the graceless-graceful stride of the elephant was eyed,*

*And the capers of the little horse that cantered at his side!
How the shambling camels, tame to the plaudits of their fame,
With listless eyes came, silent, masticating as they came.*

*How the cages jolted past, with each wagon battened fast,
And the mystery within it only hinted of at last!
From the little grated square in the rear, and nosing there,
The snout of some strange animal that sniffed the outer air!*

*And, last of all, The Clown, making mirth for all the town,
With his lips curved ever upward and his eyebrows ever down,
And his chief attention paid to the little mulc that played
A tattoo on the dashboard with his heels, in the parade.*

*Oh! the Circus-day parade! How the bugles played and played!
And how the glossy horses tossed their flossy manes and neighed,
As the rattle and the rhyme of the tenor-drummer's time
Filled all the hungry hearts of us with melody sublime!*

—JAMES WHITCOMB RILEY,
"Rhymes of Childhood."

A G-E Product Puzzle

*Now with your pencil put in each space
The letter called for, in its proper place.
As you go through the list you will spell*

The name of a G-E product, you all know well.

—The first part of the name is "The Initials of a Friend"

—The first letter of the rest is found in reach

but not in teach

—The next is in base and also in feet

—The next is in frost and also in freeze

—The next is in door and also in breeze

—The next is in ice and also in unit

—The next is in hinge but not in cabinet

—The next is in feet but not in floor

—The next is in rear and also in door

—The next is in paint and also in case

—The next is in switch and also in trace

—The next is in model and also in coil

—The last in control but never in spoil.

Forty-seven from Fort Wayne Attend Company Camps

FORTY-SEVEN men from Fort Wayne Works and offices attended Company camps at Association Island during July. These camps, which run for a period of four days, offer opportunity for men from the different plants and offices involved in any particular phase of our work to meet, get well acquainted and discuss the problems with which they are mutually concerned.

Association Island is located in Lake Ontario quite near the outlet to the St. Lawrence River and is reached by motor boat from Henderson Harbor, N. Y.

Those from Fort Wayne who were in attendance this year are:

Camp Service, July 5 to 9: E. E. Miles, J. C. Grosjean, A. J. Rose, C. H. Baade, L. M. Garman, E. L. Locker, W. H. Weikart, O. B. Rinehart and I. A. Somers.

Camp Engineering, July 9 to 13: J. L. Bireley, H. M. Witherow, R. H. Chadwick, E. J. Thomas, E. K. Spiker, G. E. Plaisted, A. F. Welch, N. T. Kelso, J. H. Staak and A. B. Campbell.

Camp General, July 13 to 17: J. H. Evans, W. S. Goll, E. J. Graham, E. E. Miles, J. L. Bireley and P. O. Noble.

Camp Commercial, July 17 to 21: H. A. Wilding and B. R. McClure.

Camp Manufacturing, July 21 to 25: C. M. Schneiders, N. S. Tilman, C. R. Olson, F. G. Duryee, R. J. Hoffman, B. C. Evans, Ray Renfrew, A. J. Seibt, Carl Bobay, E. L. Simpson, L. P. Sherrick, William Wehrs, E. C. Reese, L. D. Hodell, W. H. Skevington, J. H. Gargett, Russell Harruff, F. L. Schafener, C. H. Matson, P. C. Morganthaler, Neal R. Hench and W. S. Goll.



APPARATUS TEAM, WINNER FIRST HALF INTER-DEPT. BASEBALL LEAGUE

Left to right—Back row: Corsen, Myers, Roeger, Harwood, D. Hamilton. Front row: Rogers, Schlup, Henry, Enders, Daseler, P. Holmes

Smile Awhile

Traffic Cop: "Hey, you! "Why don't you use both hands?"

Amorous Driver: "I'm afraid to let go the steering wheel."

—Union Electric Magazine.

* * *

A woman in Tennessee shot her husband when she caught him playing checkers with another woman. He kinged and she crowned him.

—Am. Medical Association Journal.

Absent Employees

Flossie Bailey, Transformer Dept., Bldg. 26-2, is confined to her home, 347 Dunwood Drive, with rheumatism.

Mildred Shumaker, Small Motor Dept., Bldg. 17-2, has been confined to her home with an attack of quinsy.

Mildred Cole, Small Motor Dept., Bldg. 4-1, has been away from work because of an attack of quinsy.

Gladys Labounty, Small Motor Dept.,

Bldg. 4-1, is getting along well after an appendicitis operation.

Mabel Troutner, Small Motor Dept., Bldg. 4-3, has been sick for some time and has gone to her home at Rockford, Ohio.

Betty Morgan, Payroll Dept., Bldg. 18-2, has left the hospital and expects to return to work soon.

Beatrice Campbell, Transformer Dept., Bldg. 26-3, is confined to her home by illness.

Herman Woehner, Refrigeration Dept., Bldg. 27, is at his home on Huestis Ave., with a broken ankle.

Violet Dennis, Small Motor Dept., Bldg. 17-3, is recovering from an appendicitis operation.

Lucille Saylor, Transformer Dept., Bldg. 26-1, is getting along fine after an operation for appendicitis.

Athletics

G-E Team Wins Industrial Horseshoe League Championship

By defeating Dudlo, Perfection Biscuit, Wayne, Western Gas Construction, in two rounds of play in the City Industrial Horseshoe League, the G-E team won the league title and the second leg on the Hertz Drive-Yourself trophy. A team must win three legs to obtain permanent possession of the cup.

G-E was represented by Guy Binkley and John Blakely in the singles, with Ed Krock, George Lentz, Charles Johnson and Everett Pace paired in the doubles.

A lot of credit is due Mr. Blakely, as he has been responsible for the growing interest in the game here. Perhaps his greatest contribution has been the development of Guy Binkley, an unassuming young fellow of 19, employed in Bldg. 4-1. Of course Guy liked the game and had a knack of handling the shoes, which Blakely was quick to see when Guy stopped in at his backyard court for



APPARATUS TEAM, WINNER FIRST HALF, INTER-DEPT. SOFT BALL LEAGUE

Left to right—Back row: Norm Gaze, Bunt Enderle, Tony DeLagrange, Skeeter Harsch, Bob Meyer. Front row: Lucky Break Rogers, Gunny Myers, Dizz Steele, Andy Anderson, Walt Doenges, Windy Borchelt. Home-run Laranitus and Jo-Jo Wiedemier are also members of the team. Although Myers and Anderson pitched remarkable ball, it was the heavy hitting of the crew, led by Steel, Laranitus, Myers and Borchelt, that put most of the games in the win column.



CITY INDUSTRIAL HORSESHOE LEAGUE CHAMPIONS

Everett Pace, George Lenz, Guy Binkley, John Blakely and Ed Krock. Charles Johnson not present for picture.

a few minutes recreation after school. Coached and encouraged, Binkley soon became proficient, and after defeating all of the local players has been matched against the best talent in the country. He has beaten the present state champion, James Risk, also Putt Mossman, holder of the world's championship during 1926-27, and Charles Davis, title holder of 1928, in exhibition games played here.

Putt Mossman declared Binkley the toughest opponent he had ever met, and John Blakely states that Guy can more consistently pitch ringers than any other player he has seen. Binkley's percentage is 87 ringers in 100 pitches.

At the national tournament held in Florida last February, Blair Nunamaker, of Cleveland, won the world championship. Binkley has never entered these meets, but in a recent exhibition game he nosed out Nunamaker by a 50-47 score, ending the game with six straight double ringers. During this game Guy rang the stake 70 times to Nunamaker's 69, establishing the high ringer mark for the evening's games.

Inter-Dept. Soft Ball League

Play in this league was so interesting that the teams requested a continuation of the schedule and a third round of games was started during the week of August 5. The second round ended in a three-way tie for first place: Apparatus, winner of first round, Main Office and Meter all having won four and lost one game. A series of games is being arranged to decide second half leaders as it is the intention to have winners of each round play in a championship series at the end of the present season.

PRESENT STANDING

	Won	Lost	Pct.
Apparatus	4	1	.800
Apprentice	4	1	.800
Main Office	4	1	.800
G-E Squares	2	3	.400
Payroll	1	4	.200
Meter	0	5	.000



GUY BINKLEY IN ACTION

Perhaps some of the other G-E Works have a real good horseshoe pitcher and would be interested in a match with Guy Binkley. We're backing Guy against all comers and feel sure he can continue to bring home the honors.

Inter-Dept. Baseball League

The first half schedule of 28 games has been completed with Apparatus firmly in first place, having won six out of seven games—dropping one by an unavoidable forfeit. Second place was claimed by the Squares, Transformer and Winter Street. General Service and Small Motor tied for third position, with Apprentice and Motor Vets tied in fourth. All of the teams have settled down for the second half, and as there is no marked advantage in playing strength almost any team is likely to step out ahead. It is interesting to note that 153 employees participated in these games, with but two forfeits and no protests.

FINAL STANDING—FIRST HALF

	Won	Lost	Pct.
Apparatus	6	1	.858
G-E Squares	4	3	.572
Transformer	4	3	.572
Winter Street	4	3	.572
General Service	3	4	.428
Small Motor	3	4	.428
Apprentice	2	5	.285
Motor Vets	2	5	.285

Industrial Baseball League

The G-E team in the Y.M.C.A. league is showing wonderful improvement as the season progresses. It took first round with five straight wins; second round ended with three won, one lost, and one postponed, and third round has started with games in the right column. Captain Enders, one of the most reliable hitters and fielders in the league, has the full support of a fast, smooth-working crew. Ed Kammeyer, Mel Kestner and Charlie McAfee compose the outfield, while the infield is taken care of by Cowan at first, Lechty and Wellman sharing the keystone bag, Bob Glenn and Enders at short and third. The balance of the team consists of Catchers Farrell and Bubb—both dependable—Pitchers Rodenbeck, who makes it tough for all opposition, Hanauer, a newcomer and a winner, and Shepler, not so well known but plenty good. With this aggregation, Manager



G-E GIRLS' BASEBALL TEAM

Left to right—Back row: Leon Enderle, Ruth Reynolds, Dorothy Coles, Esther Moll, Lauretta Bechtold, Helen Oser, Norbert Gase. Middle row: Gileah Mollenkopf, Ruth Holle, Dorothy Swank, Alma Enderle. Front row: Minnie Bibler, Hilda Walda, Miriam Valentine

Weber and Coach Biedenweg are confident of winning the championship. Games are played every Saturday afternoon.

Industrial Tennis League

Competition has been keen in all of these games, with the city's best racquet handlers representing the various industries where they are employed. Lincoln Life is maintaining its past season's performance and will probably take the trophy.

PRESENT STANDING			
SINGLES			
	Won	Lost	Pct.
Lincoln Life	4	0	1.000
Nor. Ind. Service.....	3	1	.750
Bowser	2	2	.500
Wayne Co.	2	3	.400
General Electric	1	3	.250
Dudlo Co.	0	4	.000
DOUBLES			
Bowser	2	0	1.000
Lincoln Life	2	0	1.000
Nor. Ind. Service.....	1	1	.500
General Electric	1	2	.333
Dudlo Co.	0	3	.000

Girls' Baseball Team

For the fifth year in succession the G-E girls' baseball team has emerged city champion. The only regret of the members of the team is that there are not more girls' teams in Fort Wayne, because they are just "rarin" for more competition. Since the Wayne-Knits are the only other team in the city, we have played them three times thus far. The first game was tie; the second game was won by a score of 26 to 12, and the third, 16 to 5. The championship team is composed of the following girls: Helen Oser, 4-4; Hilda Walda, 4-1; Dorothy Coles, 4-1; Alma Enderle, 4-1; Ruth Reynolds, 4-1; Ruth Holle, 17-2; Dorothy Swank, 26-3; Gileah Mollenkopf, 26-3; Miriam Valentine, 4-1; Rachel Goings, 26-4; Minnie Bibler, 12-1, and Laurretta Beehtold, 17-2.

The line-up for the three games played was as follows:

Sweeney Park, June 28, 1929, at 6 p.m.			
Score: 12 to 12.			
WAYNE-KNITS	Runs	G-E	Runs
Gipe	2	Oser	2
Finney	1	Walda	2
Branning	1	Coles	2
Adams	1	Enderle	2
Spice	0	Reynolds	1
Winkleman	1	Holle	0



Through for the Day

Ballhauve	1	Swank	0
Merica	3	Mollenkopf	1
Seibert	2	Valentine	1
		Goings	1
Total.....	12	Total.....	12

Sweeney Park, July 12, 1929, at 6 p.m.			
Score: 23 to 26.			
WAYNE-KNITS	Runs	G-E	Runs
Merica	4	Swank	5
Bayer	1	Walda	4
Seibert	3	Coles	4
Gipe	2	Oser	4
Finney	0	Reynolds	3
Winkleman	1	Enderle	1
Ballhauve	0	Mollenkopf	2
Adams	1	Valentine	2
Branning	0	Bibler	1
Total.....	12	Total.....	26

Sweeney Park, July 17, 1929 at 6 p.m.			
Score: 16 to 5.			
WAYNE-KNITS	Runs	G-E	Runs
Bayer	0	Walda	2
Merica	1	Swank	3
Gipe	1	Oser	3
Adams	1	Bechtold	2
Conrad	0	Reynolds	1
Finney	1	Enderle	1
Branning	0	Holle	1
Spice	0	Valentine	1
Winkleman	1	Bibler	1
Ballhauve	0	Mollenkopf	1
Total.....	5	Total.....	16

Leon Enderle, 19-2, and Norbert Gase, 17-2, deserve a great deal of credit for the good showing which the team made. They have been coaching the girls regularly ever since practice began.



Smiling



Look Pretty!

Decatur

Band Gives Concerts

THE Decatur G-E Band is giving municipal concerts each Thursday night on the Court House Square and is drawing good crowds. There are 28 pieces in the band and it is under the direction of Joe Danner of Willshire, O. The concerts were started during the middle of July and will continue until September.

Stag Party

THE heat of July and August had brought a revival of the department stag parties. The boys of the Black Armature Dept. gathered in the Peter Braun Woods one Saturday afternoon in July for a real half-holiday. Boxing, wrestling, foot races and horseshoe games occupied the boys' time.

Absent Employees

Guy Crayden, formerly of Decatur Works, is now located near Spokane, Wash., where he is engaged in the dairy business.

Flossie Hiteheoek is slowly improving from a long siege of inflammatory rheumatism. She has been a patient at the Adams County Memorial Hospital for five weeks.

Mary Hill is seriously ill at the Adams County Hospital.

Kenneth Bowman, Receiving Dept., is a patient at the Adams County Memorial Hospital, where he was operated on for the relief of a fractured collar bone.



The Thinker



*"It's easy to see
that this community is
going ahead"*

You know a town by its lighting

THE FIRST, swift impression on approaching a town at night persists. The man in the car may be a prospective resident—perhaps the active head of a new business or industrial enterprise.

Very often, he sees your town for the first time *at night*—and he judges it by the quality of its street lighting.

Modern street lighting belongs near the top of the list in any program of community development. Almost automatically, municipal expansion and improvement follow the lines laid down by correct lighting.

General Electric lighting specialists, working with your power company, are ready at all times to help in solving your lighting problems. The G-E monogram, whether on MAZDA lamps, motors, or on the many other electric products which serve home, office, and factory, stands always for the most advanced practice, the highest standards of electrical correctness and dependability.



JOIN US IN THE GENERAL ELECTRIC HOUR, BROADCAST EVERY SATURDAY AT 8 P. M., E. S. T. ON A NATION-WIDE N. B. C. CHAIN

GENERAL ELECTRIC



The
 Works News

September 20, 1929

The Works Library

AMONG the newer folks, some are unfamiliar with the provisions for their self-advancement and recreation offered by the Works Library, located on the fifth floor, Bldg. 18. The library is for the benefit of all employees of the Fort Wayne Works and is open each work day from 8:00 a.m. to 5:15 p.m. except Saturdays when with the factory and offices it closes at noon. During the noon hour the book and magazine cases are unlocked and employees of the Company are welcome to come in and read. If one wishes to remove books or magazines from the room he must await the arrival of an attendant in order that a record may be made of the loan.

Our Works library has approximately 650 books, 400 of which are the property of the Company. The other 250 are Public Library books and are loaned to us.

The books from the Public Library are changed from time to time, so that during the year many are available. About two-thirds of these books from the Public Library are fiction; the others are history, biography, travel, science, with a few which are technical. These books are loaned on the regular Public Library cards under the same conditions as at the city's main or branch libraries. Applications will be taken care of for those who do not have such cards. There is no charge for the card.

The 400 books which the Company owns have been purchased because of their particular value to employees. While many of these books deal primarily with electrical and mechanical design there are a number which cover phases of industrial organizations and general business training. They should prove valuable to those who by serious study are interested in adding to their fund of general and technical knowledge. These books may be borrowed by anyone in our organization.

In magazines the Works Library has the following: Nation's Business, Factory and Industrial Management, Scientific American, Electrical World, General Electric Review, Electric Journal (Westinghouse), Instruments, Journal of the A.I.E.E., Mechanical Engineering, and American Machinist. In these magazines is a great amount of timely information which is available to anyone willing to take the time to secure it. The magazines may be borrowed by anyone and taken home over night or over the week-end.

Magazines and books may be secured at any time. Employees who work in the factory have the opportunity to visit the library to secure books and magazines after factory closing hours. Everyone in our organization is cordially invited to make the fullest use of this service.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

September 20, 1929

No. 19

The New Wage Payment Plan

By J. J. KLINE

WE are all interested in getting our pay promptly and regularly. Yet we seldom think of the labor which is necessary to get that pay to us in correct amount and at the customary time.

Many in the Fort Wayne Works recall that payments were formerly made in hard money, that is, gold and silver. During the World War paper currency was substituted for the gold coin and the silver dollar. More recently the plan of payment by direct deposit

to accounts in banks of our selection or by check has been established. Over 80 per cent of the Fort Wayne Works employees now use the direct deposit plan.

Friday has been the customary pay day for the factory and Saturday for the office.

With about 10,000 people to pay on these two days a very considerable group of employees has had to work at high pressure to get all the deposit slips and checks distributed at the established places and the

usual time. So far as those outside of the Payroll Dept. are concerned, nothing much happens beyond routine duties until the next pay day.

However, in the Payroll Dept. there is a brief lull for a time until the tickets have been accumulated to support the next pay day. Then the pressure of work begins again, to be relieved once more by the distribution on the following Friday and Saturday.

When the total number of employees is small the situation is not serious. But as the number increases the importance of finding some means of spreading the work over the entire week becomes necessary. This leveling may be accomplished by staggering the pay days, that is, by paying Section A on Tuesday, Section B on Wednesday, Section C on Thursday, etc., thereby avoiding the rush to get it all completed on but two days in the week. Such a system is to go into effect at Fort Wayne Works on or about October 1.

However, there is a much broader effect in the community as a whole and a brief review may be of interest.

A survey of industrial employment in Fort Wayne, not including retail stores, business offices, banks, etc., shows about 300 establishments employing about 25,000 individuals. All of these establishments do not pay every week, but assume that they do, and that the average payment is about \$40. That means the distribution of about \$1,000,000 in 25,000 items. Further investigation shows that about 80 per cent of this large sum is paid on Friday and Saturday. Quite probably a like percentage of all other than industrial wages is paid on these same two days.

The only large industry in Fort Wayne paying by direct deposit is

On the Front Cover

A' GREAT many will recognize the view used on the cover as one taken in Lakeside Park. The fountain shown is one of the five which supply fresh water to the lagoons in the park which are used for propagating of fish.

The most interesting feature of these fountains is not evident from the view. It would not be discovered unless you were to see them running after dark. Built into each of these fountains is a G-E submarine type of floodlight which not only greatly enhances the beauty of the fountains at night but also serves to attract insects and lures them beneath the falling spray so that they will be caught and carried down to the pools below as feed for the thousands of young fish.

Experimenting has been done with different colored lights to see which would be the more attractive to insect life. Green, blue, amber, ruby, and clear lights are used in the different fountains, and one seems as effective as another.

By August the young fish are of a fair size to be transferred to natural waters. It is essential that the young bass be moved about then as they would begin to devour each other.

In August, therefore, the water levels in the lagoons are lowered and the "fingerling" length are caught in seines and transferred to favorable natural waters. This year approximately 50,000 bass were raised and planted in our northern Indiana lakes and streams to grow and furnish sport and food for the thousands who spend week-ends and vacations there during the summer months.



The Fountain



IN THE SUN
A group snapped during the noon hour

the Fort Wayne Works, and we know from several years' experience that such a system is a great benefit to our own convenience and a relief to the bank tellers and others concerned, and that it helps greatly to speed up financial transactions.

Where payments are made by check or in currency the banks must see that the actual money is in the city to support the payrolls. Hence it frequently becomes necessary for the banks to require shipment of actual money from outside sources into Fort Wayne to meet the situation.

A bank is different from a manufacturing institution. If we as manufacturers receive an order for certain goods and we haven't them in stock, we reply we will ship next week or next month, and no dire results follow. But if a bank receives a check (which is an order to pay money in cash) and the bank hasn't the money with which to pay the check, the bank has failed and must cease to do business. Hence the burden on the bank to have sufficient money on hand during the last of the week to meet payrolls of \$750,000 to \$1,000,000 is considerable.

For many years the Fort Wayne Works has closed at noon on Saturday, and our habit is so well established that we would be seriously opposed to any change through which we would lose that half holiday. But with 80 per cent of the city's payroll distributed on Friday and Saturday many other persons in the city are unable to have Saturday afternoon as a holiday. The

congestion on the streets and in the stores is greatly increased. Clerks are unable to give satisfactory service because of the crowds, yet they may be relatively idle on other days in the week. So a difficult situation is developed by the habit that has been established of paying wages on Friday and Saturday.

To relieve the congestion in our own organization, to co-operate with the merchants and banks in the community, and to help relieve the congested conditions, the plan of staggering pay days through the week is being adopted as of October 1, 1929, at the Fort Wayne Works.

Icicles Stop Most Bicycles, But Not This One

STATISTICS of vital interest to all bicycle riders have been compiled following the statement made by Joe Henry, Bldg. 17-1, that he has used this mode of locomotion between his home and the

main gate of the Works during the past 7 years, 8 months and 11 days, with but two exceptions.

During December, 1927, and again in January, 1929, the snow and ice made travel so perilous that it was necessary for Joe to use a street car.

The total distance traveled equals 103,123,680 feet, 6,249,920 rods, or in simpler terms, 19,531 miles. This is equivalent to the distance from Fort Wayne to Caucasus Mountains, traveling west—or if you do not care for the west, then it would permit you to go from here to New York with side trips to practically everywhere.

Figuring a mean pedal pressure of one-half pound necessary to propel the bicycle three-fourths its own length, we find that 515,621,400 pounds have been expended. This equals 257,811 tons—or in terms of coal, 129 carloads; which is easily three months' supply at any well regulated power house.

There is also the element of time—rather difficult to determine accurately on account of the variation in weather conditions. However, it is conservatively estimated that during this time the bicycle has been ridden a total of 98,280 minutes, or 1636 hours. This exceeds the present monoplane endurance record by a large margin.

Allowance has been made for typographical errors, and the figures amount to 000000. Point it off as you wish.

What we really want you to know is that Joe Henry is a steady, reliable employee—and a darned good fellow.



IN THE SHADE
Another noon-hour group which evidently prefers shade

The Shipping Department Is a Service Department

By J. C. GROSJEAN
Supervisor of Shipping

TO most employees the Shipping Dept. represents, when it is thought of at all, a gang of men pushing trucks, nailing lids on packing boxes, loading trucks and freight cars and generally rushing around in a confused way.

Practically this is not so, as the Shipping Dept. at the Fort Wayne Works is a well organized, smooth-running machine, handling millions of pounds of freight, parcel post, and express a month. To one uninitiated in the work, it is inconceivable that such a vast volume of tonnage can be handled by such a small number of employees and the surprising thing is that shipping is only one of a number of important functions performed by this department.

Every order which is placed on us for our products is sent to the Shipping Dept. where it is checked over for possible errors, stamped as to date and time received and forwarded to the interested production department for execution. All subsequent documents having to do with this original requisition, or order, also clear through here for proper distribution. Thus the business of the Works flows in by way of this department. On completion of the work by the factory, the completed unit is delivered to the shippers, where it is identified and applied against the master requisition, prepared for shipment, routed and shipped—thus going out, so to speak, at the point of entry. However, this does not complete the transaction for the shipper. After the goods have left the plant, the memorandum of shipment showing the date of shipment, routing, method of shipment, and weight, is prepared. Copies of this M/S, as it is commonly known, are then mailed to the customer, the interested production department and the district office from which the requisition originally came and any others interested in it. Following the preparation of the M/S the Shipping Dept. prepares and mails out the bill for the goods shipped,

thus finally closing the transaction.

The above outline gives some idea of the activities carried on by the Shipping Dept. and reveals the extremely important part it plays in rendering service and maintaining that Company "goodwill" which makes it possible for us to continue in business. Incorrect or delayed shipment of goods, delay in mailing the M/S, and incorrect billing all create in the customer's mind an antagonistic feeling which would limit our prospects for future business.

In order to give some idea of the large volume of work handled we have prepared a comparison for the year 1928 and the first half of 1929. These figures are for the Fort Wayne and Decatur plants only and have nothing to do with the other plants of our Company. They represent only outgoing, finished product, and do not include the raw materials or finished products shipped in to us for fabrication in our products or outgoing scrap.

In 1928 we shipped a total of 2329 full carloads, enough to make a string of cars 18 miles long when placed end to end and four miles wide when set side by side. This means that if the line started at

the Fort Wayne Plant it would reach beyond Columbia City. The first half of 1929 shows a decided gain, as we then had shipped 1559 carloads or enough to make a string of cars 12 miles long.

Including the material shipped in solid cars, all LCL, express, and parcel post, we shipped in 1928 a total of 96,267,428 pounds of our product. Supposing that a person could carry an average of 50 pounds, it would take him the entire population of Philadelphia to transport this tonnage. The tonnage handled for the first half of 1929 was 61,365,311 pounds which exceeds one-half of the 1928 tonnage by 13,231,597 pounds.

In 1928, 113,668 individual shipments were made from this Works and this required the issuing of that many memoranda of shipments. During the first half of this year the number of shipments increased to 70,755 a proportionate gain of 24½.

These figures are a fair barometer of our growth and of the advance in efficiency of organization. Working together we may give our customers that which they depend on us to give above all else, service in the filling of their orders.

William Thomas Given Birthday Dinner

DURING the noon-hour on August 2 employees of the Mica Dept., Bldg. 10-1, held a special dinner in honor of the sixty-third birthday of William Thomas, mica press operator who has been with the Company for the past 16 years. The table was nicely decorated and a big birthday cake occupied the center of the table. After the dinner was served his co-workers presented Mr. Thomas with a gift. Those present were: Mr. and Mrs. H. M. Kramer, Mrs. Celeste Linton, Wilma Yates, Ann Yearling, Esther Faus, Leona Braun, Everett Snapp, Hubert Schwartz, Frank Thomas, and Clarence Gardt.



Joe Henry and His Steed (see opposite page)



Cecil Harrod



Clifford Casteel



Forrest Gibson



Charles Gatton



Raymond Evans



Roy Eger

Twelve Apprentices Graduate in August

ONE of the largest groups in the history of our Apprentice School completed courses during August. There were 12 in this group, of which three were machinist-toolmakers and the balance draftsmen.

The three machinist-toolmakers are Robert Glenn, who completed his work on August 3; Charles Gatton, who finished on August 24, and George Noffze, also August 24. Glenn comes from Uniontown, Pa., where he graduated from high school in 1927. Gatton, who hails from Hoagland, had one year at Fort Wayne Central High. Noffze hails from Burr Oak, Mich., where he completed two years of high school. These graduates will be assigned to permanent work in tool-making departments.

The apprentices who completed the draftsman course are all graduates of high school, a requirement for admission to this three-year course. Clifford Casteel, a graduate of the Reading, Mich., High School, finished his apprenticeship on August 3. He has been assigned to D-c. apparatus drafting under Mr. Felmlee, Bldg. 19-3. Forrest Gibson, graduate of Celina High, completed his apprenticeship on August 10 and was assigned to work in the plant construction section under Mr. Wylie, Bldg. 16-3. Harold Huffman, graduate of



Richard Flanigan



Robert Kelker

Pleasant Lake High, completed his training on August 10 and was transferred to D-c. apparatus drafting, Bldg. 19-3. Cecil Harrod, graduate of South Side High, finished his apprenticeship August 12 and was transferred to fractional hp. motor drafting under Mr. Norris, Bldg. 18-5. Raymond Evans, from Celina, received his apprentice diploma August 17 and has been assigned to Meter Dept. drafting under Mr. Danford, Bldg. 19-5. Clarence Kolmerton, Fort Wayne Central, finished August 19 and is now working under Mr. Zelt in transformer drafting, Bldg. 19-2. Roy Eger, Pierceton High, finished on August 24 and was assigned to drafting work at Winter Street Plant under Mr. Grothouse. Robert Kelker, Central Catholic High, finished on August 24 and is now on fractional hp. motor drafting under Mr. Norris, Bldg. 18-5. Richard Flanigan, graduate of Ossian High, finished on August 31 and now is on fractional hp. motor drafting, Bldg. 18-5.

During August 29 students enrolled. Nine are to take the machinist-toolmaker course, nine the draftsman course, and 11 the electrical tester course. All finished four years in the high schools of their home towns.

Those who are just starting the machinist-toolmaker course are:

James Ehresman, Fort Wayne; Robert Keck, Avilla; Fred Bolinger, Huntington; Fred Hawk, Liberty Center; Willard Evans, Bellefontaine; William Oswald, Wabash; Marshall Rix, Bluffton; Dean Lockwood, Auburn; and Robert McDaniels, Ligonier.

Those starting the draftsman course are: Christian Eby, Fort Wayne; Allen Bickel, Bippus; Herbert Osborne, Amboy; Glenn Willits, Ligonier; Dwight Willits, Ligonier; Luther Miller, Concordia College, Fort Wayne; Harold Buck, Rockford, O.; Daniel Speicher, Berne; and Robert Walworth, North Adams.

The new electrical tester apprentices are: Clement Smith, Mexico, (Ind.); Wilbur Stewart, Columbus Grove, O.; Lee Listenfelt, Bourbon; Loy Henderson, Fort Wayne; Lawrence Mellinger, Wolcottville; Richard Purkham, Fort Wayne; Ervin Countryman, Lima, O.; Lester Ulsh, Laketon; Jesse Blume, Lancaster; Lester Meyers, Ashley; and Glenn Larick, Upper Sandusky, O.

At present 250 apprentices are in training here, of which 154 are machinist-toolmakers, 60 draftsmen, 33 electrical testers, 3 patternmakers. There are eight instructors and the shop equipment alone numbers 110 machines. Two hun-

(Continued on page IX)



George Noffze



Clarence Kolmerton



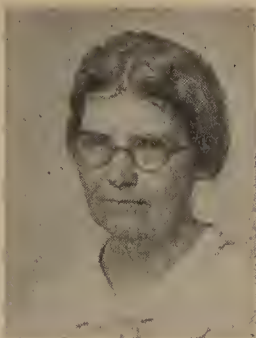
Robert Glenn



Harold Huffman



William B. Huber



Callis McLaughlin



Chester Dickerson



Wilbur Stocks



R. L. Flighter



Harry Zimmerman

Suggestion Awards Total \$1635 for August

THE largest single Suggestion Award made during August went to Everett Gearhart, Bldg. 19-5. This was an additional award of \$200 as a result of additional application of his suggestion of a plan for a simplified register gear train eliminating a number of parts and relieving certain difficulties in connection with the manufacturing of Form 9 registers for Type 1-16 meters. It will be recalled that last winter Mr. Gearhart received an award of \$300 on this suggestion and that in March of this year it brought him the honor of a Charles A. Coffin Award.

Some time ago Wilbur W. Stocks, Winter Street Plant, suggested a simplified design for the sealing plug used in making DR-3, -4, -5 icing units. At the time it was found impractical, as its use would require other changes which seemed undesirable. Later, however, a design of plug was adopted practically as Mr. Stocks had suggested and he has recently received \$150 award.

Callis McLaughlin, Bldg. 26-4, suggested improvements in both equipment and methods of phonograph motor current coil finishing and wrapping. Her award was \$75.

R. L. Flighter, Bldg. 18-1, suggested ordering certain tinned copper in 10-inch instead of 12-inch

width, a suggestion which brought him \$50 award.

William B. Huber, Bldg. 20-1, suggested an improved type of foot pedal for transmission type of winding machines used in the Transformer Division and received \$35.

Laverne Miller, Bldg. 26-2, received \$30 for a change in method of insulating certain transformer coils.

Lazern Hopkins, Bldg. 12-1, was awarded \$25 for changes to driving gear on punch press.

Harry Zimmerman, Bldg. 19-4, suggested changes to insulation plate assemblies 1796331 and 3538157 and received an award of \$25.

H. Grandstaff, Bldg. 8-1, received \$25 award on his suggestion of a relocation for respooling machines in the Wire and Insulation Division.

Chester Dickerson eliminated wastage of transformer punchings in the packing of punchings for the anneal and received \$25.

Otto Hinrichs, Bldg. 26-4, received \$20 for changing hardening operation on pivots of phonograph governor shafts.

Cleo G. Schmitz, Bldg. 19-4, suggested supplying a straightening block for certain relay parts and received \$20.

Fred Vachon, Bldg. 19-1, suggested using for pole punchings the material from centers of certain spider punchings. He was awarded \$20.

T. R. Buckles, Bldg. 8-1, suggested an automatic winding device be furnished for rewind machine in Bldg. 2-K and was awarded \$20.

Clyde Haidet, Bldg. 22, received \$20 award for suggesting a change

to stop gauge on shears in Bldg. 24.

Harry Kaehr, Winter St., suggested use of cheaper grade oil for DR-3 testing and was awarded \$20.

L. W. Schuster, Bldg. 26-3, suggested use of more economical sizes of sheets for certain transformer punchings and received \$20.

William Wollman, Bldg. 20-1, was awarded \$15 on suggested changes to clutch mechanism on automatic screw machine, Meter Dept.

Gordon Diver, Bldg. 17-3, suggested supplying fixtures to facilitate making certain punches and dies. His award was \$15.

Mary Zollinger, Bldg. 19-4, for her suggestion regarding supplying assembly frames to facilitate assembly of small synchronous motors in the Meter Dept. received \$15 award.

Gerry L. Mowery, Bldg. 22, suggested removing punchings from annealing trays in the manufacturing sections of the Transformer Division, was awarded \$15.

R. Taylor, Bldg. 22, suggested changes in the routing of material lists for certain transformer punchings and received \$15.

Matt William Krebs, Winter St., was awarded \$15 on suggestion of



Lazern Hopkins



H. Grandstaff



Everett Gearhart



Laverne Miller

changes to jaws of machine to facilitate the cutting of $\frac{1}{2}$ -in to 14-in. diameter heater tubes.

Awards in the amount of \$10 each were made as follows:

L. Buckmaster, Bldg. 27, supplying slitter knives to cut tubes on cylinder rolling machine. This is an additional award, the original being \$25.

Arthur McNamara, Bldg. 19-5, change in method of dismantling certain phonograph motor parts.

William H. Moltham, Bldg. 26-4, changes in method of performing operations on phonograph motor caps.

Ed. S. O'Reilly, Bldg. 26-B, dismantling certain defective transformer coils in the Salvage Dept.

Ream Huffman, Bldg. 8-1, changes to the pick-up for tandem mill in the Wire and Insulation Dept.

Ralph Smith, Bldg. 19-2, supplying fans to expedite cooling of coils.

Earland Haffacker, Bldg. 26-1, changes to die for transformer clamp Dr. 3545217.

Edith Rempis, Bldg. 26-B, correcting improper use of adhesive tape in Transformer Division.

Arnold J. Landis, Bldg. 20-1, changes to test board used in Transformer Division.

A. L. Sheean, Bldg. 26-1, changes in the method of assembling insulation in certain transformers.

William Boyd Morton, Bldg. 26-2, use of saw in trimming end coils of certain transformers.

William Atteberry, Bldg. 2-1, use of Steubing lift truck and box platforms for the handling of small spools in Bldg. 8-2.

Luke Martin, Bldg. 26-3, providing shields at edge of a tacker's bench.

Raymond Brown, Bldg. 26-1, eliminating waste in connection with the use of adhesive tape in the Transformer Division.

Daniel F. Mee, Bldg. 26-1, improvements to forming blocks for radio coils.

Robert Prince, Bldg. 26-B, improvements in method of storing paraffin in Transformer Division.

Susic Kiefer, Bldg. 26-2, wrapping leads of certain transformer coils before placing on conveyor in Transformer Division.

Edward Dubois, Bldg. 19-5, use of emergency shipping notice in connection with the shipment of certain meters.

Ben Ruhl, Winter St. Plant, method of keeping oil out of release on DR-5 base tester.

Edgar M. Langston, Bldg. 26-3, supplying special wrenches for muffle box screws at Winter St.

Herman Muth, Winter St., supplying of special anvil for testing of crankshafts on Rockwell Tester.

Lucile M. Nickelson, Bldg. 26-2, improvement in the method of handling

coils to reduce rejections in Transformer Division.

Awards in the amount of \$7.50 each were made as follows:

Lewis H. Clark, Bldg. 19-5, change to inspection methods on certain Type PD demand meters.

Clarence Gardt, Bldg. 12-1, changes in method of making certain mica insulating sleeves to eliminate machining operations.

W. C. Bowman, Bldg. 19-3, changes in method of making certain mica insulating sleeves to eliminate machining operations.

Archie Sheean, Bldg. 26-1, filling certain transformer bases before assembling.

One hundred and three awards of \$5 each were made as follows:

Fred McIntyre, Bldg. 18-B, supplying bars at windows of the bridges between 18-3 and 16-3 and between 18-4 and 17-3, as a safety measure.

Joe A. Henry, Bldg. 17-1, supplying a guard as a protection to arc welding generators.

O. R. Lawson, Bldg. 20-1, supplying a permanent ladder at motor and blower.

Thurman J. Fuhrman, Bldg. 19-2, supplying warning device on crane in Bldg. 22.

Fred M. Herber, Bldg. 4-3, supplying clamps for riveting fixture at Lucas Press.

Wm. C. Mills, Bldg. 17-2, changes to stator grinding fixtures in Frac. Hp. Motor Division.

George Cooper, Bldg. 4-5, changes in the method of machining fly wheels in Frac. Hp. Motor Division.

Ellis McMullen, Bldg. 26-4, change to the width of material used on certain phonograph motor parts.

Al. Timme, Bldg. 26-4, change in spinning operation on certain relay parts.

Chas. O. Bower, Bldg. 26-B, supplying guard at drill press.

Bernice Riley, Bldg. 26-2, change to the closing of the weekly time period in Transformer Division.

Wm. H. Moltham, Bldg. 26-4, omitting countersinking operation on AY-257 bearing bushing.

Ray E. Dunlap, Bldg. 26-4, supplying guides on PD meter paper tape machines.

H. W. Meyers, Bldg. 19-5, use of steel instead of brass magnet retaining screw on IA-201 relays.

Wallace H. Geller, Bldg. 20-1, change in the water line connections to provide soft water at the coffee urns and steam tables in the Cafeteria.

J. W. Haffner, Bldg. 4-5, combining certain felt washers used in Frac. Hp. Motor Division under one single drawing number.

John Helper, Bldg. 12-2, change to steps at door of roof of Bldg. 12 to overcome the trouble of water coming in during hard rain storms.

Verne E. Pray, Bldg. 17-2, change to location of starting switch at DR-2 stator testing fixture.

D. J. Bushee, Bldg. 4-4, change to rheostat switch on drill press.

Truman R. Buckles, Bldg. 2-K, the use of dispatching lists in connection with the treatment of wire.

Wilmer Maloney, Bldg. 26-3, providing metal top for crating bench at Winter St.

Arthur H. Nord, Bldg. 4-5, supplying special wrench for the assembly of certain bases in Frac. Hp. Motor Dept.

William H. Irwin, Bldg. 3-3, changes to certain drawing lists to eliminate operations on armatures.

Marie S. Smith, Bldg. 19-4, changes to certain meter shafts to improve an assembly operation.

J. C. Scarbraugh, Bldg. 19-1, changes to brush-holder yoke design on certain MPL and EF Frame machines.

Herman F. Heine, Bldg. 19-5, adding an item in Catalogue of Parts for certain charts.

Gayle A. Jones, Bldg. 4-1, supplying switches at test brakes.

Charles Coles, Bldg. 17-4, supplying guard at belt on surface grinder.

George Cherry, Bldg. 20-1, supplying trough under pipes in toilets in Bldg. 17-2.

Florence Elward, Bldg. 26-2, supplying sifter cans for whiting in Transformer Division.

James J. Sullivan, Bldg. 26-1, salvaging mispunched GW-271 can sides in the Transformer Division.

E. C. Foley, Bldg. 16-3, removing brushes from brush-holders of certain machines during shipment.

Wm. McClish, Bldg. 19-1, supplying lead burner for soldering terminals.

O. R. Griffith, Bldg. 19-2, extending the use of distribution lists in Service Bureau.

Carl Hankle, Bldg. 8-1, ordering bull ring wire with straight instead of curved ends.

Ed. S. O'Reilly, Bldg. 26-B, changes to the ventilating system at sand blast.

Alma Bock, Bldg. 26-2, supplying additional floor clocks.

H. J. Kruege, Bldg. 20-1, installing "No Smoking" signs in oil house, Bldg. 11.

Esther Ulmer, Bldg. 26-2, changes to insulating material in certain transformers.

John A. Welling, Bldg. 24, changes in method of handling flash enamel in Bldg. 26-B.

**How Long Since You Turned
In Your Last Suggestion?**

Deaths

L. A. Belot

LOUIS A. Belot, 23, of the Meter Cost Section, Bldg. 19-5, widely known among us as a member of the G-E Club Basketball Team, was killed in an automobile accident on the Leesburg road, August 4. He, his wife and a Miss Donovan were returning to the city following an outing



L. A. Belot

at Crooked Lake in Whitley County when the accident occurred.

Mr. Belot came to General Electric October 15, 1928, starting as an inspector in Bldg. 26-4. Soon, however, he was transferred to the Meter Cost Section and was employed there at the time of his death. Although this was his first experience in cost accounting, he developed rapidly and soon became a valued employee.

Notice of Belot's ability as a baseball player was taken by G-E fans several years ago when he played against the G-E as a member of the Brass Foundry Team in the Y.M.C.A. Industrial League. When the call for candidates of the G-E Club Team was issued last fall Belot appeared and succeeded in landing a regular position as center on the team. In this position he played in every game except one and at that time he was incapacitated by a light attack of the flu. In scoring he stood third from the top and his admirable sportsmanship coupled with his unusual athletic ability made him a favorite with both team members and fans.

The funeral was held from St. Peter's Catholic Church, August 8, with burial in the Catholic cemetery.

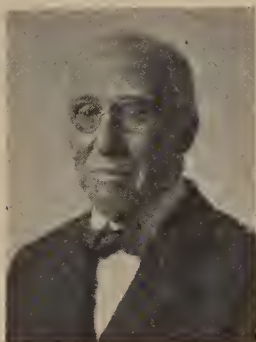
Lelia Denis

Lelia Denis, 33, of the Apparatus Dept., Bldg. 19-2, died August 8, at the Lutheran Hospital after an extended illness. Miss Denis took her vacation beginning June

22 and was not thereafter able to report for work. She had been steadily employed in the same department since October 14, 1921. The body was removed to the home of her father, Jacob Denis, in Lafayette Township, the funeral being held at the Monson Chapel on the lower Huntington road, August 10, with burial in the I.O.O.F. cemetery in Roanoke.

Charles A. Howell

Charles A. Howell, 77, a retired employee who for many years was a toolmaker at our Works, died August 9 at the Lutheran Hospital from the effects of a paralytic stroke. Mr. Howell started working here September 5, 1902, in the Tool and Die-Making Dept. and continued on such work



Charles A. Howell

until his retirement on pension May 2, 1925, with 23 years of continuous service to his credit. The funeral was held August 12 from the home of his son, C. A. Howell of Packard Ave., with burial in the I.O.O.F. cemetery at New Haven.

Arthur Hallfeldt

Arthur Hallfeldt, 39, machine operator in the Fractional Hp. Motor Dept., Bldg. 4-3, died August 21 at his home 306 E. Foster Parkway following an illness of several weeks. He began his services at General Electric on March 22, 1917, starting as a helper



Arthur Hallfeldt

in the Apparatus Dept. On May 2, 1917, he left to enter military service and before the end of the war saw active duty on the battlefields in France. On being mustered out of service he returned to General Electric, April 11, 1919 taking a position as a machine operator. As such he had worked in several buildings, his last employment be-

ing under Foreman Frank Thompson in Bldg. 4-3. It was on June 13 that ill health made it necessary for him to give up his work. He leaves a widow, Mrs. Ida Hallfeldt, three sisters, a brother and his parents, Mr. and Mrs. Henry Hallfeldt, of Marion Township. The funeral was held from Emmaus Lutheran Church on August 24, with burial in Concordia Cemetery.

Mrs. Gladys Patterson

Mrs. Gladys Patterson, 22, of the Insulation Dept., Bldg. 12-1, died August 12 at the home of her father, William McHenry, at Huntington, where she was taken when suddenly stricken with a heart ailment while attending a family reunion at Marion. Mrs. Patterson had been employed here only since March 18. She was the wife of Herman L. Patterson, of Waynedale. The funeral services were held at Huntington on August 14, with interment at Markle.

Fay Duff Grunewald

Fay Duff Grunewald, 22, coil finisher in the Transformer Dept. Bldg. 26-2, known to her co-workers here as Fay Duff, as she had only been married since August 31, was killed early in the evening of September 5 when the automobile in which she and her husband were driving struck a bridge near Van Wert, Ohio. Mrs. Grunewald was on her vacation at the time. She had worked until August 29 and had expected to return to work following her vacation. She had been employed here since June 23, 1927, all of this time in the Transformer Dept. Her home was on the Sand Point road southwest of the city.

Apprentices Graduate

(Continued from page VI)

dred thirty-eight have graduated and of this number 193 are still in the employ of our Company. The school started in 1913 with 13 students and two instructors, W. J. Hockett in charge of classroom studies and Ray Doyle in charge of the shop work. The original shop equipment was approximately 15 machines, and there was but the one course, the machinist-tool-maker course.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13 September 20, 1929 No. 9

Firemen and Band to Hold Annual Picnic

THE G-E Firemen and Band members are to hold their annual picnic together at Pleasant View Cottage, north of the city on the St. Joseph River, September 28. As in the past this will be an all afternoon and evening affair, starting with a dinner to be served just as soon as the men can gather at the cottage after the noon closing of the plants. Again in the evening supper will be served, these special meals to be prepared by our Works restaurant force and transported all ready to serve.

These picnics are much looked forward to by all the members of these organizations. There is always plenty to eat and no limit to the excitement and fun. The annual baseball game between teams of the Firemen and Band is one of the certain contests if the weather will only permit. Horseshoe pitching is another favorite sport and undoubtedly card games will be somewhat in evidence around the place. Ben Kline of the Band and Ed. Miller of the Firemen are in charge of arrangements for the affair.

Chief Paul Grimme and Assistant Chief Jim Sivits attended the Indiana State Fire Chiefs' convention at Michigan City, August 14 and 15.

Night School Begins on Monday

Enrollments Will be Accepted in Any Class During First Week

MONDAY, September 23 marks the start of classes in the term of the G-E Technical Night School. Descriptive folders have been issued and an attempt has been made to place one in the hands of each employee who has evidenced an interest in the courses which are to be given. The courses have been arranged so that they fill the needs of a great many G-E folks.

It is regrettable that during school days one cannot see more of the problems ahead. A better knowledge of English and mathematics, which one might have secured, often is needed in later work. A clearer understanding of the way in which information is to be secured from the factory blueprints, some basic knowledge of electrical circuits and electrical machines many times are needed by those who accept work in our factories. Office employees frequently have similar need for extended training

in business English. Girls who have started in minor clerical jobs sometimes desire a knowledge of typing and of the adding machines as oftentimes such training is of advantage in securing more remunerative work.

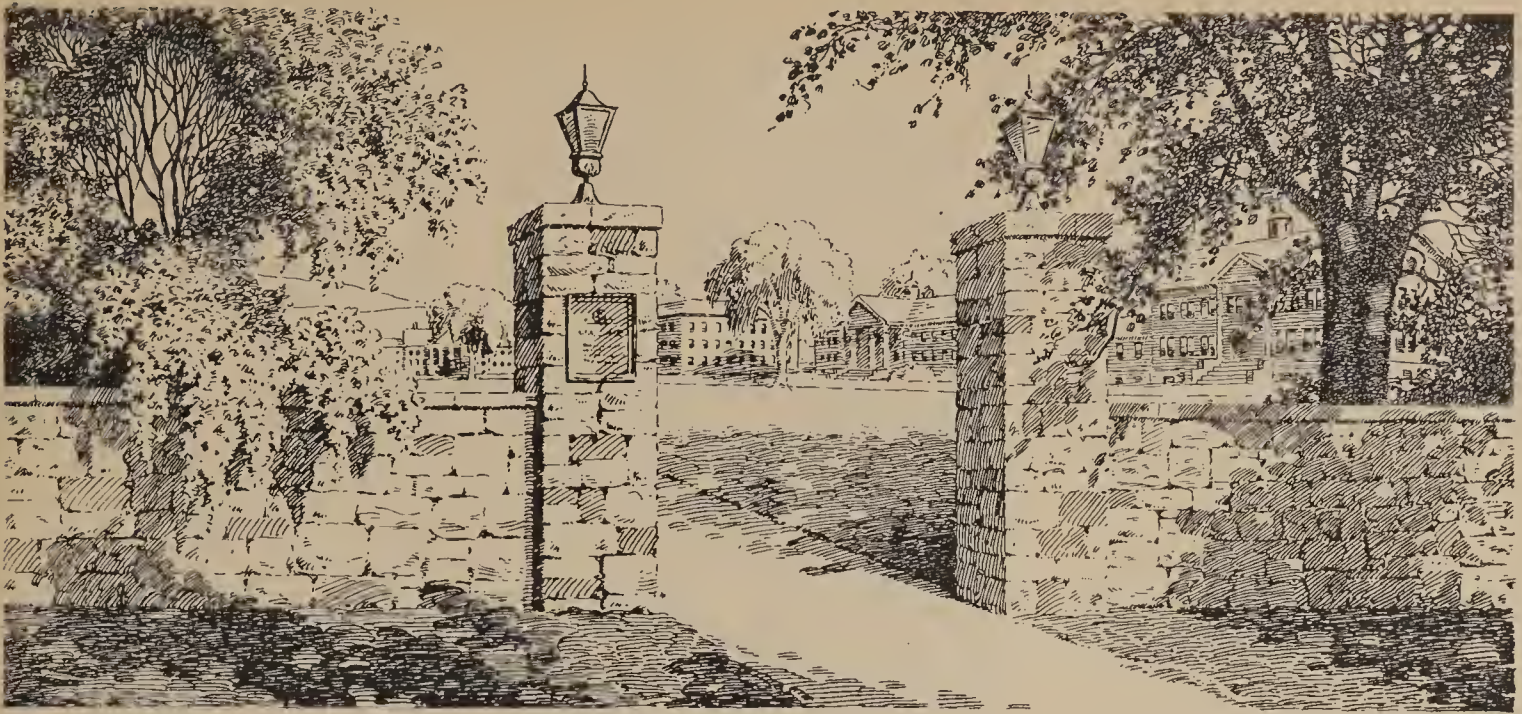
In short, it is these more common needs for special training that the courses in our Night School are designed to fill. The more responsible positions and the more difficult assignments can only be handled by individuals who have a general knowledge of things involved in such work. It is largely to those with the vision to prepare that advancement comes. The G-E Night School has helped many in the past and will help others in the future.

As has been the practice in the past, enrollments will be accepted at any of the first week's meetings of the various classes. To give everyone this opportunity the complete schedule of the first meetings of all classes is given below.

Schedule for Fall Term G-E Technical Night School

Course	Hour	Day	Room	Bldg.	Instructor
Machine-Shop Practice	5:15-7:15	Wed.	Room 5	12-3	Herbert G. Siebold
Arithmetic and Blueprint Reading.....	5:15-7:15	Tues.	Room 2	12-3	G. H. Gettel
Algebra.....	5:15-5:45	Wed.	Room 3	12-3	G. H. Gettel
Trigonometry.....	5:15-6:45	Thurs.	Room 3	12-3	G. H. Gettel
MECHANICAL DRAWING					
Part 1.....	5:15-7:15	Tues.	Room 4	12-3	R. L. Hupp
Part 2.....	5:15-7:15	Wed.	Room 4	12-3	L. C. Swager
Part 3.....	5:15-7:15	Thurs.	Room 4	12-3	L. C. Swager
Elementary Electricity	5:15-7:15	Tues.	Room 1	12-3	A. Mark Smith
D-C. Electricity.....	5:15-7:15	Mon.	Room 1	12-3	A. Mark Smith
A-C. Electricity.....	5:15-7:15	Thurs.	Room 1	12-3	R. L. Hupp
Chemistry.....	5:15-7:15	Thurs.	Laboratory	28	R. A. Brwoder
Business English.....	5:15-6:45	Tues.	Room 3	12-3	H. O. Makey
Public Speaking.....	5:15-7:15	Wed.	Room 2	12-3	Walter Sunier
Elementary Typewriting.....	5:15-7:15	Tues.	Ser. Bureau	18-2	Grace Phillips
Advanced Typewriting	5:15-7:15	Thurs.	Ser. Bureau	18-2	Grace Phillips
Ediphone Operating...	5:15-7:15	Fri.	Ser. Bureau	18-2	Margaret Phillips
Comptometry.....	5:15-7:15	Mon.	S. Din. Room	16-2	Ruby Kuhns
First Aid.....	(See Description of Course in Special Booklet.)				

Fall Term begins the week of September 23, 1929—Spring Term begins the week of January 6, 1930.



Loan Fund Makes College Possible for Many

THERE was a time when the self-made business man or manufacturer felt that education was nonsense and a waste of time. But that time is past, and the reason for its passing is not hard to find.

We live in a very complicated age. Professional men, like doctors and lawyers, require years of training before they are fitted for their work. Business and manufacturing corporations are now very large units, and they make and sell highly complicated products. For this reason it is necessary for the men who are to direct manufacturing and selling to be as highly trained in their special work as doctors or lawyers are in theirs. It is true that a man may still succeed in training himself, and that by hard work and perseverance he may frequently rise to a position of great responsibility. But a college education, it has been found, fits a person more quickly for these positions of responsibility.

For this reason our Company has taken more and more interest in encouraging employees, and the sons of employees, to continue their education. For those who cannot attend college, a large variety of courses in many different subjects are offered at the various Works. These courses were attended last year by approximately 9000 employees.

But in addition to the various G-E courses, our Company has set aside a fund of \$25,000, called the General Electric Educational Loan Fund, from which sums are loaned to G-E employees and the children of G-E employees who desire to carry on their education in colleges and universities of their own choice.

For the school year of 1927-28, loans were made to two young men, both sons of Schenectady employees.

For the school year of 1928-29, new loans were made to 20 young men, and additional loans were made to the two young men who had received loans for 1927-28.

For the school year of 1929-30, new loans were made to 14 young men, and additional loans were made to seven.

Thus, for the coming year, the Educational Loan Fund is helping a total of 21 young men, G-E employees and the sons of G-E employees, to begin or to continue their college education. Many of them might otherwise have to sacrifice the training which would equip them for responsible positions. The loans for the coming year were distributed as follows: Schenectady, 10; Fort Wayne, 3; Erie, 2; Pittsfield, 2; Bridgeport, 1; Philadelphia Office, 1; River Works, 1; West Lynn Works, 1.

It is expected that several more

applications will be received during the next month or so, bringing the amount loaned to at least \$7000 for this year. The amount loaned can be expected to increase each year for several years as new students apply, and as old ones renew their applications in order to complete their college courses.

Typical of the young men who are receiving help from the loan fund is Earle S. Shanaberger, of Fort Wayne. Some time ago young Mr. Shanaberger's father, who was employed in the Fort Wayne Works, died as a result of injuries sustained in the plant. Young Mr. Shanaberger was at the time a student in Purdue University, where he completed his junior year last June. In college he had received excellent grades, and had impressed all with his intelligence and ability. He had planned to study medicine, which is a very long and difficult course, and it would probably have been impossible for him to continue his studies much longer without some assistance. The Education Committee therefore granted him a loan to help him to achieve his ambition.

Another typical young man, who will receive a loan to help him study aeronautical engineering at Massachusetts Institute of Technology, is John E. Clark, of Schenectady. Mr. Clark's father, now deceased, was an engineer in the

Power and Mining Dept., at Schenectady, and it is interesting to note that he was responsible for the first application of electrical equipment to ships—two fire boats for the city of Chicago, which are still operating with their original equipment. Young Mr. Clark has made an excellent record in high school, specializing in science, and has also been prominent in various school activities. The Education Committee was pleased to be able to help him continue his education.

William B. Benjamin, who has been employed in the Collection Dept. of the Philadelphia Office, is another young man who will receive assistance this year from the loan fund. Mr. Benjamin was graduated from Gerard College, Philadelphia, in June, 1927. He wished, however, to continue the study of accounting at the University of Pennsylvania. He was granted a loan for last year, and on the successful completion of his studies in June was granted another loan for this year.

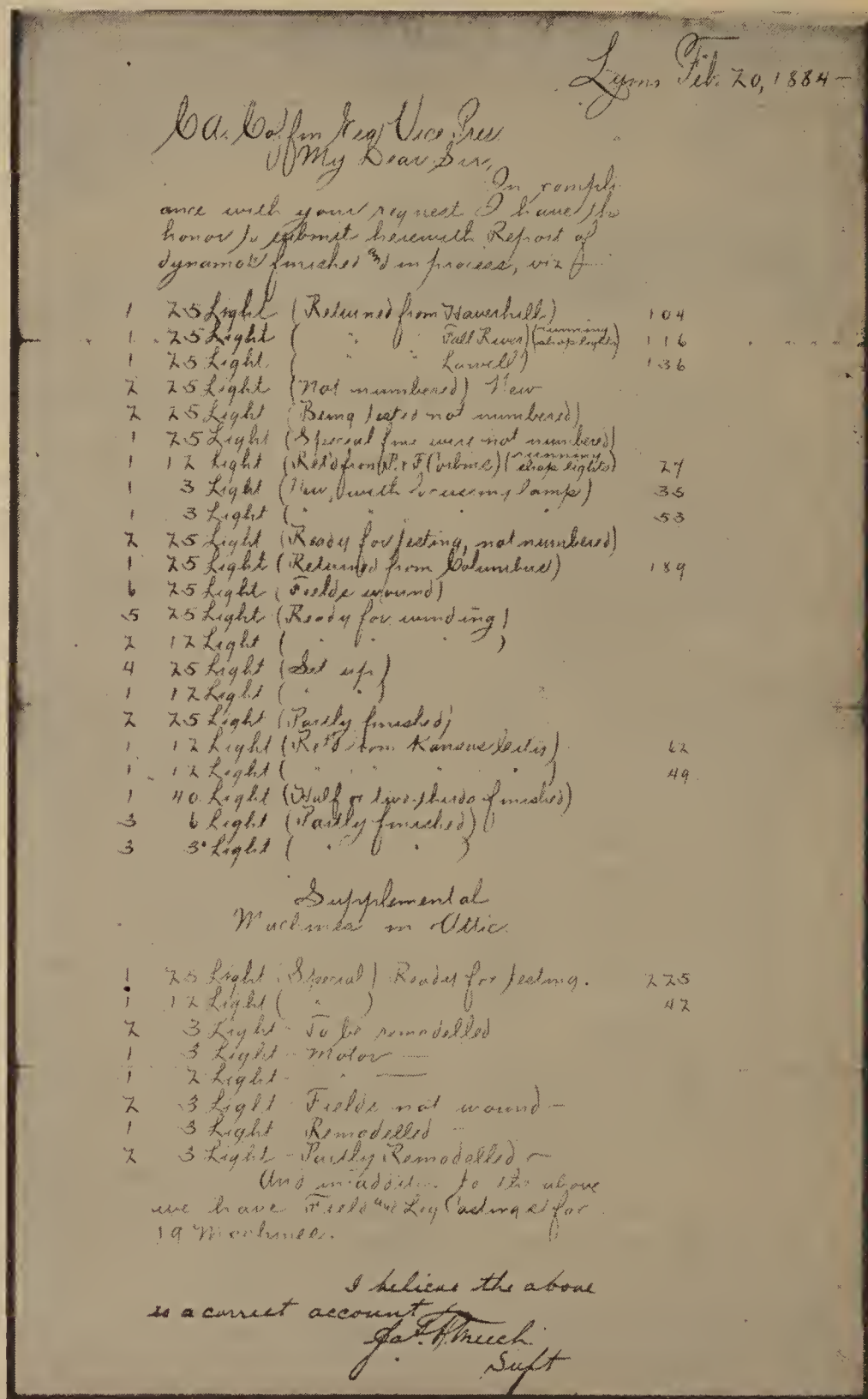
These three young men are typical of the boys whose ambitions are being furthered by means of the loan fund. It should be emphasized that the Education Committee, which administers the fund, seeks to help only boys who give promise of using their education to the fullest advantage; and its only way of judging this is by the scholastic standings which are maintained. So those who plan to apply for a loan in the future are urged to apply themselves to their scholastic work now; and those who already have been granted loans, but expect to apply for further loans as they proceed, are also urged to maintain as high an average as possible. It will be possible to grant a few more loans for the coming year. Further information may be obtained from W. W. Trench, secretary, Education Committee, Schenectady.

In addition to the loans available from the fund, there is open to a Lynn employee or the son of one—or to any other G-E employee or son of an employee if there are no Lynn applicants—the Richard H. Rice Memorial Scholarship at Stevens Institute of Tech-

nology. The last holder of this scholarship, who was graduated last June, was Elwyn Mariner of Lynn. His graduation leaves it available for the coming year. Persons interested should apply to the Secretary, Rice Memorial Scholarship Committee, West Lynn Works.

In the October 18 issue, an ar-

ticle announcing the names of the young men who have been granted loans from the Gerard Swope Loan Fund to Union College will be published. This fund was established by President Swope a number of years ago, and is administered jointly by the General Electric Company and Union College.



HISTORICAL DOCUMENT

This illustration will serve as a reminder of the small beginnings from which our Company sprang. Dated February 20, 1884, four years before the consolidation of the Edison General Electric Company and the Thomson-Houston Electric Company into the present General Electric, this worn old piece of ledger paper is an interesting historical document. Note that it is addressed to "C. A. Coffin Esq., Vice Pres."—the same Charles A. Coffin under whose long leadership our Company was to grow to an organization of 75,000 employees, 30,000 stockholders, and annual sales running into many millions of dollars.

Wholesale Distributing Corporations of Our Company to be Consolidated into General Electric Supply Corporation

EFFECTIVE October 1, the 14 wholesale distributing corporations owned by the General Electric Company will be consolidated into the General Electric Supply Corporation (of Delaware). The Supply House Dept. of our Company will become the headquarters organization of the new company. These companies have for many years distributed General Electric products and the plan involves no change of ownership. The consolidated corporation will be in a much better position to offer nation-wide service through its ability to give service from any one of 76 houses, through interchangeability of stocks, and speedier and more economical operation.

Officers and directors will be as follows:

Gerard Swope, chairman of Board; C. E. Patterson, president and director; J. L. Buchanan, executive vice president and director; J. G. Johannesen, vice president, Eastern Region, and director; D. E. Harris, vice president, Western Region, and director; N. R. Birge, A. D. Cameron, H. C. Houck, J. E. Kewley, G. C. Osborn, T. K. Quinn, E. O. Shreve, C. E. Wilson, directors; L. R. Link, secretary-treasurer; L. M. Nichols, comptroller.

Howard B. Tompkins, manager of present Supply House Dept., has been chosen general sales manager.

The department heads, district managers and other officers will be announced when appointed on October 1. The general office will be at Bridgeport.

Mr. Patterson will assume the duties of president of the new company in addition to his vice presidency of the General Electric Company.

In outlining the reasons for instituting this corporation, Vice President Patterson pointed out the fact that the electrical market is now divided into the professional or technical market, and the popular market. The former includes technical apparatus and equipment sold for what may be termed engineering and technical uses, and the latter electrical appliances and supplies purchased largely by the shopping public, contractors, etc. Differ-

ent methods are used in selling each class.

The first merchandise item to be set aside by our Company for special study, production, and sale was the incandescent lamp. This was followed by a similar course with respect to domestic heating appliances, resulting in the creation of the Edison Electric Appliance Company, Inc., in 1917; a like procedure in the establishment, in 1922, of our Merchandise Dept., for handling our sales of electrical construction materials, fans and other supplies which needed the concentrated attention of a special organization to solve the selling problems involved; and, again, in the setting up of the Refrigerator Dept. in 1927, to handle our refrigerator business. The results have in each case, Mr. Patterson pointed out, proved the wisdom of such a course.

Public acceptance of the electrical idea, he said, is gaining astonishingly. Ten years ago, only 24 per cent of American homes were connected to electric circuits; now, 65 per cent are. Each home added to the list, and each one already connected which expands its elementary wiring system into an adequate installation, increases the demand not only for more wiring devices, lamps, and appliances, but also for more current, with a consequent growth in the requirements for generating and distributing apparatus on the part of power stations. Hence co-operation between the Central Station, Industrial, Incandescent Lamp, Refrigeration, Radio, Merchandise, Hot-point and other departments is of mutual advantage.

"One of our major activities at Bridgeport," said Mr. Patterson, "is building a national distributing system through which all classes of electrical merchandise made by the parent company or any of its associated companies may be assured permanent and reliable outlets to the different markets.

"The G-E Merchandise distributors comprise 124 wholesale out-

lets, 76 of which are owned by the 14 wholesale distributing corporations which will be merged into the General Electric Supply Corporation, and hence will bear the name of the parent company.

"This group of 124 outlets clears over \$106,000,000 worth of electrical products to the market each year for ourselves and other manufacturers.

"It maintains more than 800 salesmen in the field constantly. The salesmen contact with all sizes of towns and classes of customers.

"Thus we have in our hands a powerful and aggressive warehousing and selling agency which should be utilized to the fullest extent by all departments of the Company and its associated companies having any items of electrical merchandise to market.

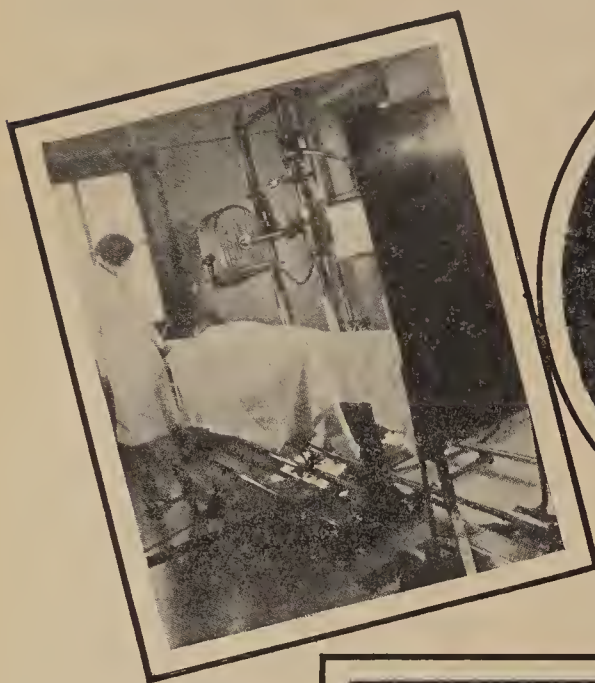
"Our interdependence of interest and the desirability of still closer and more frequent co-operation between general organization, district office, associated manufacturer, Merchandise Dept., and G-E distributor, is self-evident.

"These conditions require both assistance and relief to our regular G-E sales offices. The burden of trying to cover the enormous and ever growing field is increasingly difficult and costly; also, the selling situation has become too complex. It is one thing for our regular G-E sales force to sell large apparatus, and quite another to market small electrical goods intensively in a number of very different fields.

"Thousands of potential new users of G-E products await the friendly sales approach and efficient service of a supplementary organization which will yet be G-E in name and G-E in spirit.

"Here is such an organization in the making. On October 1, 1929, the new General Electric Supply Corporation, a nation-wide wholesale chain, will function as one corporate entity, owned by G-E and managed by G-E men, and all the separate distributing companies owned by the Company will disappear."

Here and There With the G-E Cameraman



This new x-ray apparatus developed by the Victor X-ray Co., G-E affiliated company, is absolutely shock-proof and can be adjusted to any position



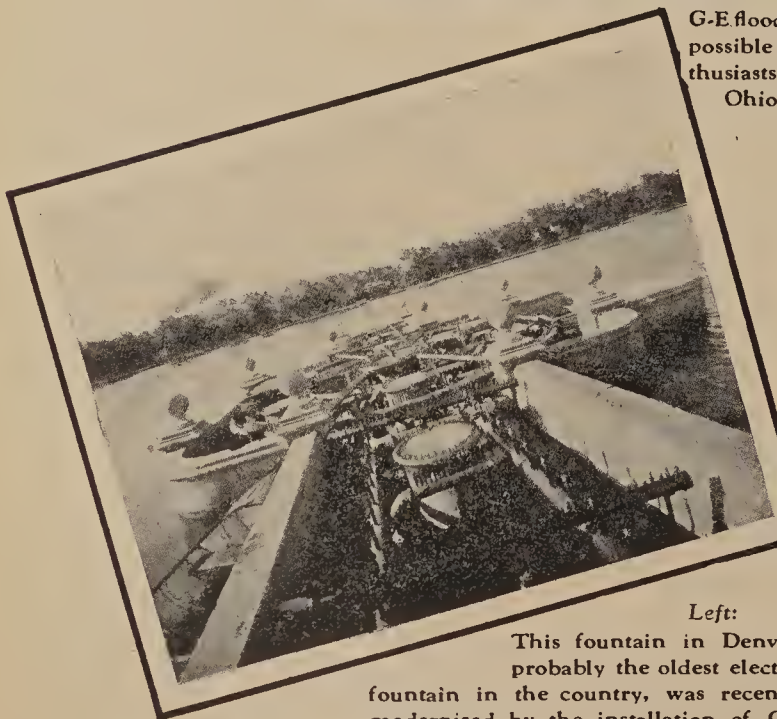
Julio Kilenyi, famous sculptor, at work on Light's Golden Jubilee medal



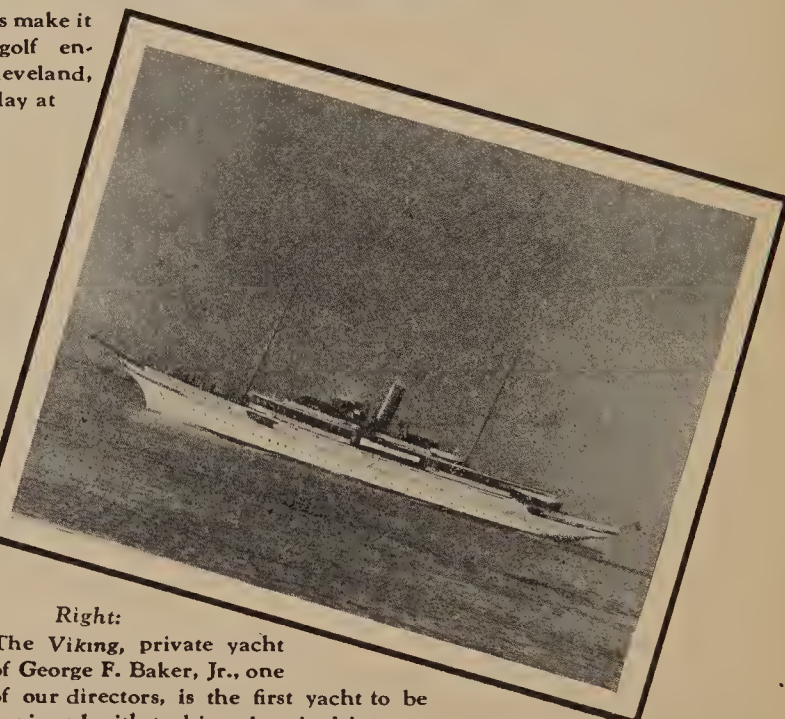
William Consul, Schenectady Works, rewinding armature of old Edison dynamo for Henry Ford's Edison museum at Dearborn, Mich. Mr. Consul helped wind such machines some 40 years ago



G-E floodlights make it possible for golf enthusiasts of Cleveland, Ohio, to play at night



Left: This fountain in Denver, probably the oldest electric fountain in the country, was recently modernized by the installation of G-E floodlights



Right: The Viking, private yacht of George F. Baker, Jr., one of our directors, is the first yacht to be equipped with turbine-electric drive

Around the World with General Electric

New Hampshire

When a customer tells Ernest J. Brooks, dealer in G-E Refrigerators at Concord, N. H., that he is in a hurry for his electric refrigerator, Mr. Brooks takes him at his word, even if he has to use an airplane for a speedy delivery. This happened recently when a customer wanted a G-E unit for his summer camp. Shipments from the factory were behind because of the demand in his territory. The customer had been waiting three weeks. Mr. Brooks hit upon the idea of getting the refrigerator in person. He engaged a six-passenger plane, and in an hour and a half he reached Schenectady, obtained the refrigerator, and took off again for Concord the same afternoon. A G-E truck called at the airport and made quick delivery to the customer.

Federated Malay States

Even in the land of the celebrated Wild Man of Borneo people want to know the exact time. And when they come to town now they will be able to set their wrist watches by the modern electric clock, the Telechron. The Telechron Co., a G-E associated company has received orders from a firm in the Malay States for three master clocks to be installed in central stations and for 178 Telechron clocks to be installed in homes and offices.

Cleveland

Our Company is constantly seeking to discover new applications for electricity in every phase of human activity. The art of aviation is no exception. At the National Air Races and Aeronautical Exposition, held in Cleveland early this month, General Electric amply demonstrated the practical manner in which it has become interested in aviation. Airport beacon lights and floodlights, other airport equipment, magneto compass and magnetic compass (the two are different) and airplane engine supercharger—all of G-E manufacture—were on exhibition.

Nevada

Now when it's too expensive to take alfalfa to the mill, they take the mill to the alfalfa. Out in the Truckee Carson Irrigation district near Fallon, Nevada, they have put into operation what is believed to be the first portable electric alfalfa mill. This portable alfalfa mill was designed after a careful study of the time and expense involved in hauling the loose alfalfa to the stationary grinding and packing plant located at a railroad. It was discovered that the alfalfa could be hauled economically directly from the field to the mill for only a short distance. Beyond this point it would be cheaper to haul the ground and bagged alfalfa meal on fast trucks to the shipping point. So the portable mill was designed by local engineers, and the specifications for electrical apparatus were made with the co-operation of our San Francisco office. The mill is equipped with G-E motors and control apparatus.

Spain

Eastward from Spain in the Mediterranean Sea is the Island of Majorca, the largest of the Balearic group. An electrical enterprise there, operating a generating station and three substations, is being brought up to date in the matter of equipment, and through the International General Electric Company, we are filling an order for transformers, switchgear and other equipment.

Belgium

The Ghent works of our Belgian affiliated company has recently made some excellent developments in its oil engine department in the field of ship propulsion. The *Brunswick*, the largest Diesel-electric tanker ever built, which it equipped, has been turning in such excellent performances that after a few round trips between America and Europe, the ship will be definitely assigned to service transporting oil between California and Australia.

Peru

Among the ruins of the very ancient Inca civilization, our civilization has built modern cities, modern railroads, and modern concrete roads, billboards and everything complete. Between Lima and Callao, one of these concrete highways, recently equipped with G-E highway lighting units, cuts through a fairly large hill, which on first sight looks like an ordinary hill of solid rock. A closer inspection, however, reveals that it is made up of millions on millions of bricks, carefully laid by countless hands. Anthropologists tell us that it was a fortress and burying ground, built ages before Europeans set foot on America. The contrast between this monument of the forgotten Inca workmen, and the concrete road with its lighting units and high-powered cars, sets one to wondering what invention and progress during the next few thousand years will bring.

New Orleans

When the heavy rains set in, it takes some tall pumping to keep New Orleans above water. As the city is a bit below sea level, some artificial means must be provided to get rid of the surface water, which in other cities drains away naturally. The present pumping facilities with a capacity of 12,000 cubic feet of water per second are inadequate and the flood menace becomes especially bad when the Mississippi River is swollen. Accordingly, a dozen new pumps, seven of them the largest drainage pumps in the world, are soon to be added. These huge pumps, ranging from 14 to 18 feet in diameter, will furnish facilities capable of removing 25,000 to 28,000 cubic feet of water each second. The total pumping capacity will ultimately be capable of removing in 24 hours a 14-inch rain over the entire city of New Orleans. The pump will be operated by G-E synchronous motors of unusual size. In addition G-E is furnishing all the control and switching apparatus.

The Edison Pioneers

This Little Organization, to Keep Alive Old Friendships and Honor Thomas A. Edison, Will Celebrate Light's Golden Jubilee in October

A LITTLE group of men, most of them past the three-score mark, will go to Dearborn in October as guests of Henry Ford. They will attend Light's Golden Jubilee, the celebration in honor of Thomas A. Edison and the 50th anniversary of his incandescent lamp. The celebration will hold special significance for them, for they are Edison Pioneers, an organization like no other in the world.

A small remnant of the glorious days of great achievement brought together solely by sentiment—the Edison Pioneers serve no purpose but to honor the man who has always been a hero to his associates. They wish no more than to keep alive precious memories of those hard-driven days when the faith and loyalty of his staff stood between the genius of Edison and the doubts of the world.

To Dearborn they will go then, from all over the United States and from many points in Europe. Henry Ford, their host, is himself a Pioneer. Less than 40 years ago, Ford—clad in overalls—was an employee of the Edison Central Station in Detroit at a very modest wage. Many pioneers who began their business careers in the Edison Laboratories, are now men of important affairs. Others, however, are living in retirement and because of the infirmities of age will not be able to attend the Dearborn festivities.

The organization boasts some 250 members to-day, but each year decreases the membership sadly.

Eleven years ago, four Edison men of long-standing service decided to round up all the surviving

old timers, particularly those who had a share in the exciting days of the eighties. A call was issued for a meeting in the rooms of the United Engineering Society in New York City. Twenty-eight responded. It was a strange little gathering—men who had not seen each other for decades assembled again because of a common affection and admiration for their erstwhile leader.

It was there and then, on January 24, 1918, that the Edison Pioneers was formed. Gradually, others who were eligible, were located and added. Although some have drifted far afield, many have continued and still are Edison men. It is an unique group in this land of countless organizations. The mere fact that its birth occurred during Edison's lifetime and that it exists only as a tribute to him, puts it in a class by itself. Many organizations spring into being after a popular hero passes on, but rarely do men express themselves in this way during the hero's lifetime.

The Edison Pioneers places slight tax upon its members, either socially or financially. Dues are nominal and the only meeting is the annual luncheon on February 11, the birthday of Mr. Edison. This luncheon is frequently attended by Mr. Edison and members of his family. If he is not present, Mr.

Edison always sends some gracious word to his old associates.

Following the luncheon, the annual election of officers takes place and the business of the group is discussed. This annual occasion is always fraught with drama, for each year the ranks are thinned, and each year also, some fellow worker of early days has been dug out of obscurity and drawn into the group. These reunions are happy occasions for Pioneers who have suffered the passing of so many friends.

Although there is only the one meeting during the year, the headquarters of the Edison Pioneers at 40 West 40th Street, New York City, is open every day, except Sunday. It has become the mecca of all Edison Pioneers whenever they reach New York. Presided over by Frank A. Wardlaw, secretary since 1921, this office has meant many things to many members. It is above all a place where there is always a cordial welcome and warm friendliness. To many of those who have lived the Biblical span of life, a friend and a welcome are precious indeed.

Mr. Wardlaw, who entered Mr. Edison's employ in 1881, keeps a keen watch over his little membership. If there is sickness, he visits the ailing member, often going far and wide on his errands. Flowers

and personal letters are sent whenever a death occurs. And if it is simply a matter of an hour's chat with some lonely Pioneer, Mr. Wardlaw has the sympathy which gives good cheer to the visit and helps to keep alive the old memories.

<i>Henry Ford</i>		No. 1-1
<i>Pay to the order of</i>		<i>Detroit, Mich.</i> JUL - 5 1929
J F QUINLAN		\$.02
EXACTLY TWO CENTS		<i>Dollars</i>
To The Dearborn State Bank		<i>Henry Ford</i>
74-618	Dearborn, Mich.	<i>[Signature]</i>

FULL PAYMENT

Henry Ford wanted to buy one of the Light's Golden Jubilee Postage Stamps. He reached into his pocket, found that he had no change, and borrowed two cents from Mr. Quinlan. Here is a picture of his check in full payment of the loan.

Why Be Wasteful?

Savings as Result of Anti-Waste Campaign Run into Millions

(From paper by C. H. McKNIGHT at Camp Manufacturing)

STARTING about a year ago, under the inspiration of our vice presidents in charge of manufacturing, a campaign was launched to eliminate waste and encourage more economical use of material in manufacturing operations. Each dollar's worth of apparatus built by our Company carries 19 cents in direct labor cost and 53 cents in total material cost. By comparing these two figures, one can see the great opportunities which exist for reducing the material element in cost. It was this latter figure that the campaign is aimed to reduce.

It is possible that we have not realized in the past this opportunity for lowering cost, increasing sales and production by using materials more effectively, from the original design of apparatus and purchase of raw materials down to the final handling of our waste or scrap materials. The idea of connected effort along these lines met with a ready response in the factories, and during the fall months of last year the Works were organized for intensive study of the two principal phases of the problem, namely, the reduction of losses arising from spoiled work and more efficient application of materials in both design and manufacturing operations.

Works managers and superintendents have without exception given support in practical ways. Engineers have, to a greater extent than ever before, co-operated with the factories where modifications in design were necessary. Representatives of the Testing and Research

Laboratories have volunteered assistance. Displays have been arranged and exhibited throughout the factories. Articles calculated to stimulate interest have appeared in the WORKS NEWS. Fundamentally uniform methods of accounting for spoilage losses throughout the Company have been devised, and about 40 men assigned at the several Works to give all or a greater portion of their time to the study of material applications and waste elimination.

As to the accomplishments, no record was kept prior to January 1 of this year, but since the first of the year we have a very complete record of the results which have been obtained.

During the first three months changes were put into production which show annual savings at the rate of \$511,000, and in the second three months ending July 1 additional annual savings of \$942,000 were effected, making a total annual rate of savings accomplished during the first six months of \$1,453,000.

It is interesting to see how the different Works have participated in making these savings and also to see a rough classification of the means whereby the savings have been made.



The distribution by Works is shown in the table below.

The distribution according to underlying principles by means of which the savings were effected over the six-month period is shown in the table on the next page.

It is impressive to note the substantial increase in savings during the second quarter over those of the first quarter, and it is reasonable to assume that further substantial savings will be made as the work gathers momentum.

There are in general two ways of effecting economies of this character in our factories; the first being that of working through the Suggestion System. This method is productive of many small savings which in total are very well worth while. The second method is that of working with an organization of engineers specially trained for the work.

In all of this work we are of course dependent upon the full co-operation of engineers, and once the engineer is given some idea as to the possibilities of savings through changes which may in no way be detrimental to the product, we should feel confident that this co-operation will be extended.

Distribution of Savings by Works

	First Quarter	Second Quarter	First 6 Months 1929
Fort Wayne	\$ 83,625	\$ 126,971	\$ 210,596
West Lynn	33,574	68,835	102,409
Pittsfield	36,444	119,556	156,000
Bridgeport	33,528	99,748	133,276
Lynn River	71,992	177,720	249,712
Schenectady	229,332	168,303	397,635
Bloomfield	12,862	11,819	24,681
Erie	5,935	114,722	120,657
Philadelphia	4,000	54,400	58,800
Total	\$511,292	\$942,074	\$1,453,366

Distribution of Savings According to Type

	No. Items	Annual Savings	Per Cent
1. Use of scrap in production of parts	29	\$36,909	2½
2. Elimination of unnecessary material	32	75,930	5
3. New methods of ordering material	33	107,024	7½
4. Misc. changes in design	30	89,821	6
5. Correction of troubles causing rejections	20	112,717	8
6. Less allowance of material for finish	51	139,669	9½
7. Change in layout (Die Work)	29	144,393	10
8. Substitution of lower cost material	86	180,040	12½
9. New salvage methods	76	182,635	12½
10. Misc. changes in manufacturing method	152	834,228	26½
Total	538	\$1,453,366	100

Practically all of the accomplishments which I have reported have been initiated in the factory, and when we consider the number of lines of apparatus which were designed many years ago, and the changes and improvements in manufacturing methods which have been made since these designs were placed in the factory, it is probable that we have as yet hardly scratched the surface in our efforts

to bring up to date the manufacture of many lines of apparatus. I firmly believe that with sustained interest on the part of our shop executives, with the assignment of more and better trained men to this work, and with the full co-operation of all Works employees, the savings so far accomplished will be doubled or even trebled within the next twelve months. The prospect is indeed hopeful.

Gets Edison Fellowship

LELAND B. Snoddy, of Lexington, Ky., has been granted an Edison Fellowship for Research in the Research Laboratory of our Company at Schenectady, for the year 1929-30. This fellowship was established this year in honor of Thomas A. Edison and in commemoration of the 50th anniversary of his incandescent lamp. Mr. Snoddy is the first recipient.

The fellowship carries a grant of \$3000, and its purpose is to give the Fellow an opportunity to carry on research work of his own choice.

He was graduated in 1921 from the University of Kentucky, and received his M. A. degree two years later from the same institution. From 1923 to 1925 he studied in the University of California, going from there to Lynchburg College, Lynchburg, Va., as head of physics and chemistry.

Rules & Regulations

TO BE OBSERVED BY ALL PERSONS EMPLOYED IN THE FACTORY OF AMASA WHITNEY.

- RULE 1.** The Mill will be put in operation 10 minutes before sun-rise at all seasons of the year. The gate will be shut 10 minutes past sun-set, from the 20th of March to the 20th of September; at 30 minutes past 8 from the 20th of Sept. to the 20th of March. Saturdays, at sun-set.
- 2d. It will be required of every person employed, that they be in the room in which they are employed, at the time mentioned above for the mill to be in operation.
- 3d. Hands are not allowed to leave the factory in working hours, without the consent of their Overseer; if they do, they will be liable to have their time set off.
- 4th. Any one who by negligence or misconduct causes damage to the machinery, or impedes the progress of the work, will be liable to make good the damage for the same.
- 5th. Any one employed for a certain length of time, will be expected to make up their lost time, if required, before they will be entitled to their pay.
- 6th. Any person employed for no certain length of time, will be required to give at least 4 weeks notice of their intention to leave, (sickness excepted) or forfeit 4 weeks' pay, unless by particular agreement.
- 7th. Any one wishing to be absent any length of time, must get permission of the Overseer.
- 8th. All who have leave of absence for any length of time, will be expected to return in that time; and in case they do not return in that time, and do not give satisfactory reason, they will be liable to forfeit one week's work or less, if they commence work again. If they do not, they will be considered as one who leaves without giving any notice.
- 9th. Any thing tending to impede the progress of manufacturing in working hours, such as unnecessary conversation, reading, eating fruit, &c &c, must be avoided.
- 10th. While I shall endeavor to employ a judicious overseer, the help will follow his directions in all cases.
- 11th. No smoking will be allowed in the Factory, as it is considered very unsafe, and particularly specified in the Insurance.
- 12th. In order to forward the work, job hands will follow the above regulations as well as those otherwise employed.
- 13th. It is intended that the bell be rung 5 minutes before the gate is hoisted, so that all persons may be ready to start their machinery precisely at the time mentioned.
- 14th. All persons who cause damage to the machinery, break glass out of the windows, &c, will immediately inform the overseer of the same.
- 15th. The hands will take breakfast, from the 1st of November till the 1st of March, before going to work—they will take supper from the 1st of May till the last of August, 30 minutes past 5 o'clock, P. M.—from the 20th of September till the 20th of March, between sun-down and dark—25 minutes will be allowed for breakfast, 30 minutes for dinner, and 25 minutes for supper, and 10 minutes from the time the gate is shut till started again.
- 16th. The hands will leave the Factory so that the door may be fastened within 10 minutes from the time of leaving off work.

Mass.
Winchendon, July 5. 1830.

AMASA WHITNEY.

"THE GOOD OLD DAYS"

This interesting old document, recently brought to light, makes One wonder whether the "good old days" were really as good as they were cracked up to be

Sun rises
as early
as 4:25
in summer.

Sun sets
as late
as 7:41 P.M.
(in June)

4 Weeks
pay held
back
apparently

4 Weeks
pay lost
probably

No time
to wash
up, or
change
clothes

Sluice gate
for water
power

Four hours
after
sunset
(in
December)

No
appeal

Breakfast
in mill
other 8
months

Supper in
mill all
year round
apparently

The Advantages of Consolidation

Experience of Illinois Northern Utilities Indicates Importance of Large Units

THOUGH the Illinois Northern Utilities Company is comparatively young, having been founded in 1912, due to excellent service and management it has achieved a financial soundness that ranks it among the leading utilities companies. At the end of 1912, the company had a total of 18,824 gas and electric customers, and at the end of 1928, it had 55,021 customers. The gain in electric customers alone amounts to 313 per cent. And its gross income shows an increase of 273 per cent.

All of the communities served by the Illinois Northern Utilities Company are located in a fertile farming and dairying region. A number of them have attained a high degree of varied industrial development. Some of the most important industries using the company's power include the National Silica Company, near Oregon; the Reynolds Wire Company, at Dixon; the Illinois Central Gravel Pit, at Forreston; the Stover Engine and Manufacturing Company, at Freeport, and the Burgess Laboratories, Inc., at Freeport. When the company was incorporated, it served but 17 communities, but before the year was over it had extended its serv-

ice to 22 more. And it continued to expand at a healthy rate until now it serves 96 communities, 85 with electricity only, six with gas and electricity, three with gas only, one with electricity and street railway service, and one with electric and water service.

The development of the Illinois Northern Utilities Company shows more clearly the great advantages of interconnection and central control and generation of electric power than some of our more complicated urban companies. Before the unification started, the 17 original small independent companies were supplying power from 25 generating stations, the units of which were inadequate and in the main, obsolete. The total rated capacity of these stations was only 700 kilowatts. These, as well as the other small isolated plants which were subsequently purchased, were gradually closed down as centrally located stations of greater generating capacity were constructed, and



Interior of the Hydro-electric Plant at Dixon, Ill.

transmission lines extended. This centralizing process resulted in the reduction of a number of costs, and was one of the main factors in reducing the amount of coal used in steam generation of electricity. Some of the plants had been using as high as 20 pounds of coal to generate one kilowatt hour. By closing them down and generating the current in larger and more efficient stations, the coal requirement was reduced to seven pounds of coal per kilowatt hour by 1914. Then through improved equipment, the requirement was still further reduced until in 1928 only 1.79 pounds of coal were used for every kilowatt hour. This centralization, besides cutting the costs of generation and consequently reducing the price of current to the consumer, has also benefited the consumers by giving dependability of service, uniformity of current and a guarantee against power shut-offs in spite of local disturbances.

At the present time practically all of the current for the 93 communities that the company supplies is being generated at four stations of the most modern design. In addition, three small stations that can be operated economically are continued as auxiliaries. The two largest stations are located at Dixon—a



The Dam and Hydro-electric Station at Dixon, Ill.

(Continued on page 11)

Throwing Light on the Movies



Left to right—standing: Thomas E. Jackson, Evelyn Brent, Judge Appleton, vice president of G-E; Mrs. Appleton, Peter Mole; Bob Ellis, Arthur Howsman. Kneeling: Paul Fejos, director of "Broadway"; F. E. James, Los Angeles Office; Myrna Kennedy.



A battery of the huge lamps that made "Broadway" possible.



A scene in "Broadway", showing the concealed and indirect lighting on the columns.



Another scene in "Broadway". Note the huge lamps at the left.

The story of stage and movie lighting is one of amazing progress during the past few years. And now the victory of incandescent lighting over other forms of electrical illumination seems to be complete. Above are a number of views taken during the making of "Broadway," a talking movie, at the Universal studios, for which only incandescent lighting was used. And G-E contributed in no small way to the success of the picture. Thousands of lamps, of many highly specialized kinds, were used in the making of this picture. Names such as "sun spots," "soft spots," "rifle lamps," "strip units," "floods," and "dome units" are used to describe the various kinds of special equipment which have been developed for this work. Those of us who see our movies and our stage plays only from the audience seldom realize the amount of engineering and technical skill which the mere task of lighting production calls for.

Safety Contest

YORK Works, having spoiled its perfect record for this year so far by having an accident, dropped last month from first place in Division 1 to second place. West Lynn Works took its place at the head of the list. The standing of all plants of the Inter-plant Safety Contest is as follows, an asterisk denoting improvement over the previous month:

DIVISION 1	DIVISION 2
West Lynn	*Oakland
York	*Erie
*Bridgeport	*Pittsfield
*Philadelphia	ALL PLANTS
*Fort Wayne	*River Works
*Bloomfield	Schenectady
	New Kensington

The Advantages of Consolidation

(Continued from page 9)

steam plant with a total capacity of 18,500 kilowatts, and a hydro-electric plant with a capacity of 2500 kilowatts. There are two hydro-electric stations at Sterling, one with five turbines that can produce 1750 kilowatts and a smaller one, 300-kilowatt capacity. At Oregon there is a combined steam and hydro-electric station (the steam is used as a standby) with a capacity of 725 kilowatts, and near Freeport there are two small hydro-electric stations with a total capacity of 450 kilowatts. These stations bring the company's total electric generating capacity to 24,224 kilowatts.

To augment this supply, interconnection has been made with five companies operating in adjoining territories, and additional current may be bought if needed. These interconnecting lines bring the total transmission system of the company up to 805 miles. When one considers that in 1912 it owned but 64½ miles of transmission line, its rapid growth can be appreciated.

A further proof of the financial stability of the Illinois Northern Utilities Company is in the great reduction of the operating per cent, or the percentage of the gross in-

come absorbed by the operating expenses. For the first full year of operation it averaged 70.5 per cent, and by 1928 it had been reduced to 48.9 per cent. This healthy margin leaves plenty of room for further expansion and improvement of service. The capitalization of the company has increased from \$9,267-

200 in 1913, to \$19,102,340 in 1928. The Illinois Northern Utilities Company, with its rapid expansion in the growing field of rural electrification and with its increasingly efficient service, is indeed an ideal company for the investment of the money of the G-E Employees Securities Corporation.

Death Claims Paid, Disability Claims Allowed During July, 1929

Death Claims									
Years	Date of Death		Employees	Age	Bene- ficiary	Free Ins.	Bene- ficiary	Add'l Ins.	
Schenectady Works									
32	July	1	William S. Andrews.....	82	Wife	Yes	....	...	
5	July	2	Edward M. Roberts.....	21	Mother	Yes	Mother	Yes	
10	July	7	Frank R. Potter.....	58	Wife	Yes	Wife	Yes	
22	July	8	Emri Slantovsky.....	66	Wife	Yes	Wife	Yes	
11	July	10	Lucas W. Layman.....	31	Wife	Yes	Wife	Yes	
10	July	10	Michael H. Fahey.....	67	Wife	Yes	Wife	Yes	
23	July	10	Chester T. Mitchell.....	46	Wife	Yes	Wife	Yes	
11	July	11	Stephen R. Skelton.....	67	Wife	Yes	Wife	Yes	
6	July	15	Peter C. Kehrer.....	65	Wife	Yes	....	...	
25	July	26	Jerome B. McIntosh.....	73	Wife	Yes	Wife	Yes	
11	July	27	Mary E. Murray.....	34	Mother	Yes	Mother	Yes	
River Works									
18	May	9	Roy L. Jordan.....	39	Sons	Yes	Sons	Yes	
30	July	2	John H. H. Burbank.....	59	Wife	Yes	....	...	
21	July	2	Charles H. Dean.....	61	Wife	Yes	Wife	Yes	
12	July	22	John Kasper.....	34	Wife	Yes	Wife	Yes	
West Lynn Works									
30	June	21	Thomas P. Gallagher....	69	Wife	Yes	Wife	Yes	
Pittsfield Works									
27	July	7	Anton T. Gilbert.....	72	Wife	Yes	Wife	Yes	
22	July	14	Max G. Newman.....	44	Wife	Yes	Wife	Yes	
Erie Works									
10	June	27	Thomas B. Gillis.....	61	Wife	Yes	Daughter	Yes	
Ft. Wayne Works									
16	June	3	George W. Grant.....	62	Sister	Yes	Sister	Yes	
3	June	20	Frank E. Current.....	24	Estate	Yes	Mother	Yes	
17	June	21	Charles W. Pierce.....	63	Sister	Yes	Sister	Yes	
Bloomfield Works									
29	June	28	Archibald N. Harmer....	52	Wife	Yes	Wife	Yes	
13	July	12	Oliver I. Livingston.....	35	Wife	Yes	Wife	Yes	
Merchandise Dept.									
2	July	5	Clare V. Kreps.....	29	Husband	Yes	Husband	Yes	
6	July	22	Kenneth Ekstrand.....	45	Wife	Yes	Wife	Yes	
4	July	25	Antonio Farino.....	48	Wife	Yes	Wife	Yes	
New Kensington									
1	July	6	Mike Rywak.....	43	Wife	Yes	Wife	Yes	
Philadelphia Works									
15	June	25	Charles B. Larzelere....	54	Wife	Yes	Wife	Yes	
Atlanta Office									
8	June	6	Nell H. West.....	33	Nephew	Yes	....	...	
Cleveland Office									
27	July	23	James H. Cameron.....	49	Wife	Yes	Wife	Yes	
Research Laboratory									
11	July	3	Dewey T. Simonds.....	31	Wife	Yes	Wife	Yes	
9	July	5	Llewellyn Ford.....	68	Wife	Yes	Wife	Yes	
Incandescent Lamp Dept.									
9	July	2	Charles Jacobsen.....	52	Wife	Yes	Wife	Yes	
40	July	15	Bernard Gardiner.....	59	Wife	Yes	Wife	Yes	

	No.	Free Insurance Amount	Add'l Insurance No.	Add'l Insurance Amount
Claims paid month of July 1929.....	35	\$39,059.14	31	\$49,500
Claims paid previously reported 1929.....	207	239,378.27	194	310,000
Total claims paid 7 months, 1929.....	242	\$278,437.41	225	\$359,500

(Continued on next page)

WASTE

IS UNNECESSARY

(See page 7)

Disability Claims						
Years	Date of Grant	Employees	Age	Free Ins.	Amount	Add'l Ins.
<i>River Works</i>						
7	April 23	Victor Poplasky.....	58	Yes		....
22	July 8	Vincent Julianio.....	58	....		Yes
8	July 25	James N. Wagner.....	46	....		Yes
<i>West Lynn Works</i>						
15	June 13	Viey I. Wade.....	51	Yes		....
<i>Baltimore Works</i>						
5	July 3	Lee J. Salon.....	40	....		Yes
<i>Pittsburgh Office</i>						
1	July 8	Charles E. Black.....	23	Yes		....
Disability claims granted July 1929.....			3	\$3,500	3	\$4,000
Disability claims previously reported, 1929					31	50,000
Total disability claims granted 7 months, 1929.....			3	\$3,500	34	\$54,000
Total Death and Disability Claims paid since January 1, 1920				\$5,196,815		

It's Growing!
Some Main Sources of Electrical Revenue for 70 Years By Decades

1870-1880—Arc lights in streets and large stores.

1880-1890—Lighting of homes and office buildings, power for trolleys.

1890-1900—Power and light in factories and mines, alternating current transmission in smaller communities.

1900-1910—Electric cooking in city homes, electro-chemistry, elevated and subway lines, electric elevators, resistance welding.

1910-1920—Moving pictures, steam railroad electrification, electricity enters steel and oil industries, floodlighting, electric therapeutics.

1920-1930—Light and power for farms, electric traffic lights, radio broadcasting, radio receiving, household refrigeration, light for airways and landing fields, radio beacons for air-planes, talking movies, arc welding, electric furnaces, industrial heating, water heating, traffic counting.

1930-1940—(Cont.) and energy, traffic lights from coast to coast, highway lighting from coast to coast. moving sidewalks, traffic jam tell-tales, electric fountains in every park, colored steam as electric fireworks, night golf, tennis, baseball and various outdoor athletic events, vast expansion in farm power, vast expansion in household uses, vast expansion in railroad electrification, vast expansion in industrial heating, vast expansion in electric smelting, vast expansion in electric welding.

1930-1940—Heating houses, (Cont.) cooling buildings, regulating humidity, television in theaters and homes, extension of human life

Industrial Dept. Pushing "Electric Heat"

SEPTEMBER has been selected by our Industrial Dept. for its special sales campaign on industrial heating. This will be the sixth of the special campaigns conducted by that department.

Stress will be laid on the growing importance and use of electrical heat in industry. Many would probably say that the motor load is considerably larger than the heating load. Yet not only has it been predicted that the latter will be ultimately twice that of the former, but this is fast becoming a fact in some localities.

In our own factories the industrial heating apparatus and devices amount at present to more than 50,000 kw., connected; and over 100,000,000 kw-hr. are consumed annually to produce the heat required in our manufacturing processes. In Schenectady alone the energy used for heating applica-

tions amounts to more than that required for all other purposes. And our industrial heating requirements are similar to those of other industries.

General Electric has been a pioneer in this field, and it has gained its leadership in it by anticipating the demands and meeting the requirements of industry in this field.

One of the newest developments is the use of large electric furnaces, and General Electric is prepared to furnish large indirect heat furnaces for every requirement.

The campaign is designed to call the attention of the general salesman to this sales field, to acquaint him better with it, and to bring about a realization on his part that he can sell this class of apparatus.

The Publicity Dept. is co-operating actively in this effort with space advertising in trade magazines, direct-by-mail advertising, film slide lectures, sales letters and various other aids.

The success attending the preceding special sales efforts of the Industrial Dept. gives ground for predicting the success of this latest campaign.

Would Your Son Like to Go To College?

See article, "Loan Fund Makes College Possible For Many"

GIRLS' SECTION

Elex Club Activities

THE month of September is just overflowing with Elex Club activities. The first thing on the program was the big wiener and marshmallow roast at Pleasant View Cottage on the St. Joe river, September 10, immediately after work, for all paid Elex members. The hungry girls gathered very quietly at the Recreation Bldg. awaiting transportation on the G-E triple balloon tire trucks. Once in a while a girl would break the great silence on board the truck by *whispering* to the girl standing next to her. The truck drivers tried in vain to get the girls to say something but these girls were quiet just as a bunch of girls going to a wiener and marshmallow bake always are.

After the girls very gracefully disembarked from the trucks, by jumping off, falling off, or climbing down, a number of the girls rested their weary bones in the very comfortable looking leather upholstered chair, which happens to be an electric chair. If you haven't sat on it or if you haven't seen how it affects the persons who do, your education has been neglected.

Then the girls went out on the porch and down the hill toward the fire and the food. But they all refused to take any food. They were all on a diet. It really was too bad to have to feed all the sharks and the whales in the St. Joe.

Then on the way back the girls refused to ride on the trucks; they ran home all the six miles alongside the truck at the rate of six miles an hour. If your arithmetic is in good condition you will conclude that it took them an hour to get back.

Membership Drive

The next big event was the membership drive conducted from September 12 to 14. The solicitors wearing the attractive Elex arm bands swarmed around with their little boxes with pencils and cards

in them and made it impossible for the girls not to "sign on the dotted line." Anyway judging from the results of the drive you will have to take off your hat to all Elexers because the year's activities are starting with a bang. Girls, if you haven't joined Elex Club yet, see your personnel girl immediately.

Annual Fall Banquet

And next Wednesday, Sept. 25, the annual fall banquet will be held in Bldg. 16-2. Election of officers and installation of officers will take place, besides a short interesting program.

The following girls are running for office: For president, Louise Lawson and Irene Meyers; for vice president, Hilda Walda and Marie Smith; for secretary, Mary Thomas and Irene Stier; for treasurer, Mabel Liggett and Florence Case; for council representative, Leona Farra and Louise Hilger.

The motto of the Elex Club election should be: Vote for the girl who is best fitted for the office, not for the girl who wears her hair the way you prefer her to do it, or whose eyes are the right distance apart and of the right color, and so forth.

The banquet promises to be the largest and best. If you do not have a ticket, be sure to see your personnel girl about it immediately. The tickets cost 50 cents.

Get-acquainted Week-end House Party

The next big event will be the get-acquainted week-end house party for 1929-1930 members on October 12 and 13. The program on Saturday night will consist of a masquerade, a marshmallow bake on the beach, and last but not least a midnight show. Hiking, boating, swimming, tennis, archery, baseball, volleyball and other games will be available to the girls. The food will be unsurpassed in regard to the quality and quantity just as the food at Elex affairs always is.

Now you may wonder where this is to be held. Well it's to be at

camp Yarnelle on Winona Lake. The facilities there for accommodating a crowd of girls are excellent and the setting of the camp is beautiful beyond description.

Probably you are wondering how you will get there. The Elex Club will furnish transportation free. Any girl who can furnish a car is asked to notify Esther Moll, Bldg. 21, telephone 563, by October 5, so that we shall know how many cars are available. The club will pay for the gasoline and oil, so if you can take some girls up to camp be sure and let us know.

The rest of the events are a dark secret. Be sure and plan to come for this week-end. Bring a sheet and pillow case. The expense for the week-end, including lodging and four good meals and a lunch, will probably amount to about \$1.50 or \$1.75, and the transportation is free. Did you ever hear of getting so much for your money? Well, we didn't either until we joined Elex Club.

Be sure to register early because the camp can accommodate only 45 girls. The first 45 will be the ones to go. Make your reservations with your personnel girl immediately. We have to ask you to pay a dollar when you register so that we shall know how many girls are planning to go, then you will only have to pay the balance when you leave camp. No reservations can be made without the dollar registration fee. Just remember that it takes a lot of work to plan a trip of this kind. Your Elex officers and committee members will be new; they are willing to do their part but they can only do it if you will co-operate in getting your reservation in on time.

Meetings

Regular Elex Club meetings will begin some time in October. Watch the bulletins for announcements. Since Wednesday is an overtime night and for that reason a number of girls were unable to attend Elex

meetings last year, the regular Elex meetings may be changed this year to Tuesday. Watch the bulletins for announcements.

Girls' Bowling

THE girls' bowling season is about to begin. If you want to join or if you want any information, get in touch with Esther Moll, Bldg. 21, telephone 563, immediately. The league is planning to start the season the last week in September. Watch the bulletins for announcement. But if you want to get into the league, or if you want to be put on the substitute list, act now.

Girls' Gymnasium Class

DO you want to be in tip-top condition this winter? You will not get that way by sitting in a rocking chair with a box of chocolates beside you, wishing that you had enough pep to attend gym class regularly. The G-E Club gives you many of the advantages of an expensive athletic club free. One of these features is the free girls' gym class which includes calisthenics, work on horizontal and parallel bars, horses, rings, games, etc.

This class will only be held if enough girls take part to make it worth while to heat and light the gymnasium and pay an instructor. So if you want to join, or if you wish any additional information, get in touch with Eddie Harkenrider at the Recreation Bldg. Send him your name, the number of the building and floor on which you work and specify that you want to join the girls' gym class.

The class will probably be held from 5:30 to 6:30, the day will be announced later. If you have any preference as to days, you might mention the days you prefer, when you send in your name.

Farewell Picnic

ON August 2 a group of girls employed in the Small Motor Dept., Bldg. 4-4, honored Vivian Garrison with a picnic in Foster Park. Miss Garrison left the employ of the Company on August 5 to return to school. Under the supervision of Lois Miller a delicious luncheon had been prepared and was served immediately on arriving

at the park. The girls presented Miss Garrison a beautiful leather purse.

Present were: Lanora Cupp, Gertrude Kelley, Edna Tarmon, Agnes Holman, Edith Lair, Kathryn Huber, Lorinda Beyerlein, Kathryn Hepker, Lillian Hollopeter, Artista Baker, Eloise Hartman, Helen Kronmiller, Mary Angel, Rosela Vorndran, Erma Hinton, Helen Oser, Mildred Moore, Bertha Piper, Roxie Miller, Thelma Sparks, Mabel Nyboer, Viola Leach, Emily Nierman, Rebecca Sheehan, Ruth Thuerer, Margaret Schroeder, Martha Scherzinger, Margaret Odier, Alice Stinger, Hilda Ritter, Georgia Waite and Mrs. C. A. Hartman and Miss Luella Tarmon who were guests.

Meta-Beta Club Dinner

IRENE Parr, Leona Rowe, Myrle Strauss and Lillian Putt entertained the members of the Meta-Beta club at a chicken dinner on August 6 at the home of Miss Parr on South Hoagland Ave. The table was beautifully decorated with a centerpiece of pink Columbia roses and pink tapers at each end of the table.

Present were Louise Jones, Betty Hiltner, Catherine Mills, Leona Rowe, Myrle Strauss, Lillian Putt, Irene Parr and Irene Meyers, all employees in the Meter Dept.

Meter Dept. Farewell Dinners

IN view of the re-organization of the Meter Dept., Bldg. 19-5, the employees in C. Witham's department took the opportunity to get together at the noon-hour, on August 20. Ninety people were present and at the close of the dinner, which was served cafeteria style, Mr. Witham was presented a handsome gift. Mrs. Witham and son Robert were guests. The committee that arranged the dinner party were Alice Dailey, Ruth Peden, Vera Fetro, Alma Geary, L. Garlinger, Hilda Fox, Leona Reine and Irene Meyers.

Bride Surprised

MARJORIE Dailey, an August bride from the Mica and Insulation Dept., was pleasantly surprised on August 30 by her co-workers who gathered at her home. The group spent the evening dancing and singing and at a late hour a luncheon was served. The bride was given an electric percolator by her associates.

Those present: Goldie Schlatter, Clara Gephardt, Clara Grodrian, Maggie

Slagel, Leona Farra, Estella Morroff, Minnie Bibler, Marie Kramer, Anna Yearling, Virginia Stouder, Valeria Murray, Nellie Gardt, Dorothy Cessna, Laura Black, Eleanor Plock, Lillian Cook, Evelyn Walters, Julia McIntyre, Matilda Glenn, Zella Greider, Marie Blough, Clarence Gardt, Earl Gebert, Claude Kelley and Bill Glenn.

Dizzy Club Entertained

ON August 6, the members of the Dizzy Club were entertained by Mr. and Mrs. Weir McMillan at their home on the Coldwater Road. The evening was spent in playing games and dancing. Later in the evening a delicious luncheon was served.

The members present, mostly employees in the Radio Transformer Dept. Bldg. 26-2, were: Helen Drewery, Vera Warren, Faye Carnahan, Flossie Kimmel, Mrs. Anna Garton, Mrs. Rushia Baty, Louis Uplegger, Clarence Brubaker, Bob Darling, Wendell Garton, Charles Baty and Ralph Johnson.

Weddings

Belbutoski-Walda

On July 14 the marriage of Clara Walda, Transformer Dept., Bldg. 26-3, and Bruno Belbutoski took place at the parsonage of Concordia Lutheran church. Mr. and Mrs. George Einsiedel, brother-in-law and sister of the bride attended the couple. Following the ceremony a wedding dinner was served to 40 guests at the home of the bride's father on Winch St. Later the young couple left on a wedding trip to Niagara Falls, New York city and other places of interest in the east. Mr. and Mrs. Belbutoski are now at home at 912 Harmer St.

Shelly-Hormel

Miss Dorothy Hormel, Fractional Hp. Motor Engineering Office, Bldg. 18-4, and Joseph J. Shelly, Apparatus Engineering Office, Bldg. 18-3, were married on August 3 at the residence of Rev. C. W. Baer, pastor of the English Lutheran Church of the Redeemer. Mr. and Mrs. E. J. Schaefer, brother-in-law and sister of the bride, were the attendants. Following the ceremony Mr. and Mrs. Shelly left on a wedding trip through the east. Mrs. Shelly is the daughter of Mrs. Winifred Hormel, Material List Dept., Bldg. 18-5, and Mr. Shelly is the son of Mr. and Mrs. W. A. Shelly of Bishop, California.

Straner-Roland

On August 13 Laura Jeanette Roland, Small Motor Dept. Bldg. 4-1, and Stanley E. Straner were united in marriage. The wedding took place in the rectory of St. Patrick's Catholic Church with Rev. J. C. Keating performing the cer-

emony. Theresa Roland, a sister of the bride, was bridesmaid and Richard Straner attended his brother as best man. A wedding breakfast was served at the Catholic Community Center, and later Mr. and Mrs. Straner left on a motor trip through northern Kentucky. They are now at home with Mr. Straner's parents, Mr. and Mrs. H. H. Straner of 1306 High St.

Cobbs-Winebrenner

On July 27 the marriage of Helen Winebrenner and Roscoe Cobbs was solemnized at the home of the bride's parents, Mr. and Mrs. Merrill Winebrenner of Markle. Rev. I. R. Berry of Markle performed the ceremony. The couple were attended by Alfreda Dennis of Fort Wayne and Elmer Mossburg of Liberty Center. Following the ceremony a wedding dinner was served to fifteen guests. Later Mr. and Mrs. Cobbs left on a wedding trip through Michigan. Mr. Cobbs is employed in the Small Motor Dept. Bldg. 17-2.

Winters-Ulmer

On August 28 the marriage of Esther Ulmer and Ralph Winters, both of the Transformer Dept., Bldg. 26-2, took place in the parsonage of Emmaus Lutheran Church. Hilda Ulmer attended her sister as bridesmaid. After the ceremony a wedding dinner was served at Miller's Tea Room, and later Mr. and Mrs. Winters left on a motor trip through Canada. They are now at home at 707 Kinsmoor Ave.

Cremmel-Dailey

Marjorie Dailey, Mica & Insulation Dept. Bldg. 12-1, and Jack Cremmel were quietly married on August 31. Immediately after the ceremony the young couple left for Columbus, Ohio, where they will make their home.

Burnau-McClintock

The marriage of Bertha McClintock and Floyd D. Burnau was solemnized in the parsonage of the Markle Church of Christ on August 15. Following the ceremony Mr. and Mrs. Burnau left on a wedding trip. They are now residing at 1325 Cass St. Mrs. Burnau is employed in the Small Motor Dept., Bldg. 4-5, and Mr. Burnau in the Transformer Dept., Bldg. 26-3.

Brindle-Smith

Freida Smith and Henry Cleo Brindle, both of the Meter Dept., were united in marriage on August 18. The ceremony was performed by Rev. G. J. Crowe at his home on West Jefferson St. The couple were unattended and only members of the two families witnessed the ceremony. Mr. and Mrs. Brindle are residing in Waynedale.

Schwartz-Zierath

Mary H. Zierath, Meter Dept., and Charles W. Schwartz were united in marriage on August 22. The ceremony took place at the Trinity M. E. Church with Rev. E. E. Tripeer officiating. A short musical program preceded the ceremony with Mrs. Bloyd Sarman, pianist, and Florence Reichelderfer, vio-

linist, playing a group of selections. The bride was attended by her sister, Alice Zierath, and Paul Cowell, the groom's cousin, was best man. Following the ceremony a reception was held at the home of the bride's parents and later the young couple left on a short wedding trip.

Swift-Wearda

The marriage of Gladys Wearda, Small Motor Office, Bldg. 3-3, and Alpheus Swift, Meter Dept., Bldg. 19-5, took place on August 24 at the home of the bride's parents, Mr. and Mrs. B. E. Wearda of 3020 North Clinton St., with Rev. Geo. Crowe officiating. Luella Tarmen played the wedding march and also "I Love You Truly" during the ceremony. Violet Wearda attended her sister as bridesmaid and the groom was attended by his brother Bayless Swift. Following the ceremony a wedding dinner was served with covers laid for 40 guests. Later in the evening the young couple left on a short motor trip and are at home with Mrs. Swift's parents.

Jacobs-Hall

On August 31, Winifred Hall and Lloyd Jacobs, both of the Meter Dept., were united in marriage. The ceremony took place at the Plymouth Congregational church with Rev. A. J. Folsom officiating. Following the ceremony a wedding dinner was served at the home of Mrs. Kenneth Hammer on Boltz

St. After a wedding trip to West Virginia, Mr. and Mrs. Jacobs are now at home to their many friends at 1222 Clark St.

Dr. Flora Joins Medical Staff

ON August 12, Dr. J. O. Flora, Chili, Ind., was added to the permanent medical staff of the Fort Wayne Works. Mr. Flora is a Hoosier. Following his graduation from high school he entered the Indiana University School of Medicine, where in 1928 he obtained his M.D. degree. He



Dr. J. O. Flora

spent the next year in the University Hospitals at Indianapolis. His internship included four months in the Coleman Hospital for women, and three months in the Riley Hos-



THE OLD FORT WAYNE FACTORY

This Factory, on Columbia Street, was the second site of our Works, between 1883 and 1886

pital for children and five months in the Robert W. Long Hospital.

It was deemed necessary to add another physician at this plant, first, because of the increased number of employees, which has added greatly to the routine work of the department and also it has become desirable and necessary to engage in other medical activities which have become of increasing importance in industrial organizations. It is the growing experience of practically all large industries that plant medical service consists of something more than rendering emergency care to the sick and injured. With other departments it has to do with problems of "human maintenance." It is with the idea of advancing along these lines that the medical force has been reinforced. We welcome Dr. Flora into the G-E family and hope that he may find his time spent with us both pleasant and mutually profitable.

The Squares Hold Picnic

THE Squares' picnic at Schroeder's grove on August 10 brought out about 60 members and guests. A program of outdoor sports had been arranged and everyone joined in. In horseshoe pitching, M. L. Lynch took the honors, with Charles Kronmiller giving him a good race. For the golfers, of course, a contest was arranged, the stunt being to shoot over a hazard using the niblick. In this M. Martman took first prize with W. J. Hockett in second place. For the baseball fans there was a game using the indoor ball. The final event of the program was the picnic lunch.

Ninety Attend Quarter Century Club Outing

THE annual outing of the Quarter Century Club members at Fort Wayne Works was held at Potawatomi Inn at Pokagon State Park on Lake James Saturday, September 7, with approximately 90 of the 151 members of the club in attendance. Arrangements were made for all to go by buses and accordingly all arrived at about the same time. Once there, these old timers set about having a good time. Motor launches which had been arranged for, took parties around the various basins of the lake, and the horseshoe courts down by the water's edge were the scene of some lively games. A number of card tables also were pressed into use and perchance some of the true followers of Izaak Walton slipped away in boats to have a try at fishing. A number, of course, just visited around among old friends and everyone as his fancy suited, making most of an enjoyable day.

The special dinner served at noon naturally brought together all of the crowd in the great dining room of the Inn. Here after dinner, when the cigars had been passed, a short business meeting was held. New members were formally introduced and then there was a minute of reverential silence in remembrance of those who had passed on during the year. The election of officers was regularly carried out and this was followed by several informal talks in which Mr. Goll, Mr. Kline, Mr. Morganthaler and others took part. Mr. Barnes, as president of the local club, served as toastmaster. Following adjournment the members again engaged in various games and

amusements until 4:00 p.m. when the buses loaded up for the return trip to Fort Wayne.

J. J. Kline, chairman, assisted by George Harkenrider and John Hall, made the arrangements for this, one of the best outings ever to be held by the local club.

Everything went off without a hitch. The members of the Club appreciate the efforts of the committee, and are all looking forward to another outing next year.

Those in attendance were: Robert E. Anderson, Henry Auman, Charles Barber, E. A. Barnes, W. G. Beman, Geo. A. Betz, J. L. Bireley, E. G. Boedeker, Wm. Boseker, Edward J. Braun, P. M. Braun, C. F. Brenner, Waldron O. Bruner, Nelson Bucher, F. G. Duryee, Chas. Egg, Wm. C. F. Ehrman, E. Eyllenberg, Aug. Eisenacher, Lewis S. Fox, C. Gothe, Frank Gaffney, John Garta, Walter Goll, Herman Goller, F. C. Graffe, E. J. Graham, Joe Gruber, Wm. Haag, J. E. Hall, G. E. Harkenrider, Chas. L. Houser, Ed. Holmes, Max Holz, A. Jaebker, Christian D. Kaiser, Ferd Kayser, A. D. Kelker, J. F. Kiefhaber, J. F. Kiess, Wm. P. Kindt, Terry T. King, J. J. Kline, Wm. F. Lageman, E. F. McLaughlin, A. F. Mayland, W. F. Melching, Geo. V. Meyers, Fred Miller, W. G. Miller, H. Mills, P. C. Morganthaler, Fred Moser, Robert Muller, E. O. Nickelson, Wm. Nieman, M. L. Norris, Otto Nahrwold, E. C. Olds, Fred B. Owen, Louis M. Palmer, S. E. Palmer, Henry Pageler, H. J. Peters, H. C. Prange, Frank Quinn, James Quinn, Wm. Raidy, Chas. Rayhouser, Herman F. Rehm, Stuart Rehrer, Ray C. Renfrew, P. J. Rentschler, Chas. E. Richards, John Richards, H. A. Schmeling, Frank S. Schmidt, F. J. Schwartzkopf, A. Schroeder, E. L. Simpson, J. F. Smith, Carl Sorenson, Anthony Stark, Ed. H. Steinau, John S. Thain, A. M. Thompson, Charles H. Trautman, Theo. A. Trenkley, C. D. Witte, Ray Woodhull, Dr. H. W. Garton, J. W. Crise, Paul Noble, I. W. Butler, L. C. Yapp and Walter Kent were present as invited guests.



Quarter Century Club Members Who Attended the Outing September 7

JUNIORS' PAGE

Dear G-E Juniors:

Vacation time is now over and I know from your letters that all of you enjoyed your vacations very much. Perhaps the reason we enjoy our vacations so much is because we work hard during the fall, winter and spring. I, too, have had my vacation, which ended with Labor Day, and I had a very pleasant time at Indian Lake. It was also fun reading the nice, jolly letters which I found waiting for me when I came back to work. I was

delighted to find so many pictures, too.

I am glad so many of you liked our G-E Product puzzle. Perhaps we will have more puzzles like it, but about different products. G-E Refrigerator is the correct answer, and almost all of you solved it. We sent prizes to Pansy and Maurice Plant, Robert McCray and Elmer and Albert Devaux at Fort Wayne, and Katherine Kohls and Ruth Raudebush at Decatur. Besides these I received letters from Nor-

man W. Stoller, Bernice Moore, Alta May Ruhl, Josephine Ruhl, Mary Jane Thomas, Gene Platt, Orville Fennig, Harry McClure, Arno Schelper, Helen Houser, Dorothea Long, Dorothy Gebhart, Annabell Bahr, Mildred Bahr and Ruth Swank of Fort Wayne, and Catherine Murphy, Leo J. Miller, Catherine Jackson, Sephus Jackson, Marion Jackson and Elizabeth Fuhrman of Decatur.

I also received answers to the puzzle in the July WORKS NEWS from Helen Hickman and Dortha Long, but they came in too late for us to mention them in the August WORKS NEWS.

No doubt you are all back in school now, so for this month we

Some of Our Young Folks



Helen Houser, a Fort Wayne G-E Junior



A group of Decatur G-E Juniors. Ruth and Romaine Raudebush with their little sister, Rowena, and their triplet brothers, Rosco, Robert and Roy



Catherine and Sephus Jackson, Decatur G-E Juniors



Eleanor and Arno Schelper, Fort Wayne G-E Juniors



Ruth Swank, a Fort Wayne G-E Junior and her playmate, Marilyn Fox



Some more Decatur G-E Juniors. Sephus and Catherine Jackson with their brother Jimmy



have a school puzzle. In the puzzle are ten words, which, when the letters are re-arranged, will spell the names of some things that pertain to school. The little couplets below the ten words perhaps will help you find the right words and the picture may suggest some of the words to you, but the real puzzle is to re-arrange the letters in the ten words and spell the words correctly.

I shall be anxious to hear all about your school, so write and tell me, and remember that I am always glad to get pictures of you and will return them after we have used them on our page.

Yours sincerely,

Jill

"School" Puzzle

- | | |
|---------------|----------------|
| 1. SLCHOO | 6. TNOE-KOBO |
| 2. KOBO | 7. CPLNIE |
| 3. SSLCA-MROO | 8. RLUE |
| 4. DCRYIATION | 9. KCALB-DRBOA |
| 5. RAMMARG | 10. BLTTAE |

The first one rearranged will tell
you where the classes will be held
In No. 2 you'll find the lesson
and in No. 3 you'll sit and study
When new words you wish to under-
stand
then take No. 4 in hand.
When studying No. 5 take heed
for it's something you'll always need
The next one you will write in
with No. 7
For making lines on 9 and 10
Use No. 8. It will make them neater
and keep them straight.

Absent Employees

Walter Mersman, Tool Designing Dept., Bldg. 17-4, is a patient at the St. Joseph Hospital recovering from a recent operation.

Dorothy Keener, Meter Dept., Bldg. 26-4, a patient at the St. Joseph Hospital, reports that she is feeling fine and is looking forward to her return.

Angeline Jackson, Transformer Dept., Bldg. 26-1, is at the St. Joseph Hospital recovering from an operation.

Mary Yost, Small Motor Dept., Bldg. 17-4, is at her home in Decatur where she recently underwent an operation.

Katherine Kaehr, Small Motor Dept., Bldg. 17-3, is at the Wells County Hospital, Bluffton, recovering from an operation.

Robert Rench, Small Motor Dept., Bldg. 4-3, is also a patient at the Lutheran Hospital.

Jessie Hall, Shipping Dept., Bldg. 6-2, a patient at the Lutheran Hospital is recovering from injuries received in an automobile accident.

Esther Driscoll, Transformer Dept., Bldg. 26-3, is now at her home at 328 E. Dewald St.

Lucille Worrick, Meter Dept., Bldg. 19-5, has gone to her home at Columbia City to regain her strength following an operation.

Alvin Voltz, Small Motor Dept., Bldg. 4-3, a patient at the Lutheran Hospital because of an attack of typhoid fever, is recovering nicely.

Dorothy Cook, Transformer Dept., Bldg. 26-2 is at the Lutheran Hospital. She is regaining her strength rapidly now.

Harold Cole, Wire and Insulation Dept., Bldg. 7-2, also is a patient at the Lutheran Hospital. His progress is now steady.

Genevieve Decr, Transformer Dept., Bldg. 26-3, is at the St. Joseph Hospital under treatment for injuries received in an automobile accident.

Evelyn Stubler, Transformer Dept., Bldg. 26-2, is at the Lutheran Hospital.

Alma Jones, Small Motor Dept., Bldg. 17-2, recently a patient at the Lutheran Hospital, is now at home at Convoy, Ohio.

Joseph Carrier, Winter Street Plant, now a patient in the Lutheran Hospital, is recovering nicely and expects to return soon to his home at 315 Kinniard Ave.

Mrs. Alma Cline, Winter Street Plant, is ill at her home, 2019 Oliver St.

Wm. Jackson, Small Motor Dept., Bldg. 4-1, who has been unable to be at work for several weeks is now somewhat improved.

Dorothy Passon, Meter Dept., 19-5, is confined to her home on the Lima road on account of sickness. Although she is feeling better, she fears she may not be able to return to work very soon.

Marie Schultz, Transformer Dept., Bldg. 26-2, who has been away from work for several months because of an infected knee, is getting better now.

Grace Bolton, Transformer Dept., is at the home of her parents at Kendallville, suffering from typhoid fever. For

some time her condition was serious but she is now improving.

Alice Templin, Transformer Dept., has asked for several months leave on account of ill health and has gone to the home of her parents near Roanoke.

Rheua Woods, Transformer Dept., Bldg. 26-3, has been away from work for several weeks.

May Grout, Transformer Dept., Bldg. 26-3, who has been taking a rest cure at her home, 2929 Weisser Park Ave., reports that she has been much benefited.

Ralph Pfeiffer, Bldg. 6-2, is a patient at the Methodist Hospital where he underwent an operation recently.

John Banks, Bldg. 20-1, is now at the St. Joseph Hospital as a result of automobile injuries.

Suggestion Awards

(Continued from page IX)

R. L. Flightner, Bldg. 18-1, changes to Inter-Works order form FW-598.

Loy H. Fink, Bldg. 22, supplying special stands for trays.

Frank Rosenberger, Bldg. 18-B, using carbon tetrachloride in naphtha used in Distribution Dept.

E. J. Wagner, Bldg. 17-1, ordering certain sizes of tinned copper in rolls instead of stripping from sheets.

Beatrice Eastman, Bldg. 19-4, supplying shield at winding machines to protect operators from hot solder.

Fred Mennewisch, Bldg. 22, providing suitable fuses for portable grinder.

Ralph Ballenger, Bldg. 19-4, changes to pin on top hub for gear bracket Mc-9-10-11 and 12 relays.

D. McKenzie, Bldg. 3-1, changes to drinking fountain and stop chain in fire doors in North end of Bldg. 6-B.

F. J. Roberts, Bldg. 22, supplying guard on milling machine No. 17961 at Winter St.

Mildred Sheehan, Bldg. 26-3, supplying sides to bridge over conveyor.

Joe A. Henry, Bldg. 17-1, change to guard at boring mill in 17-1 to provide aisle clearance.

Dean O. Miles, Bldg. 22, supplying ropes and pulleys at windows in Bldg. 24.

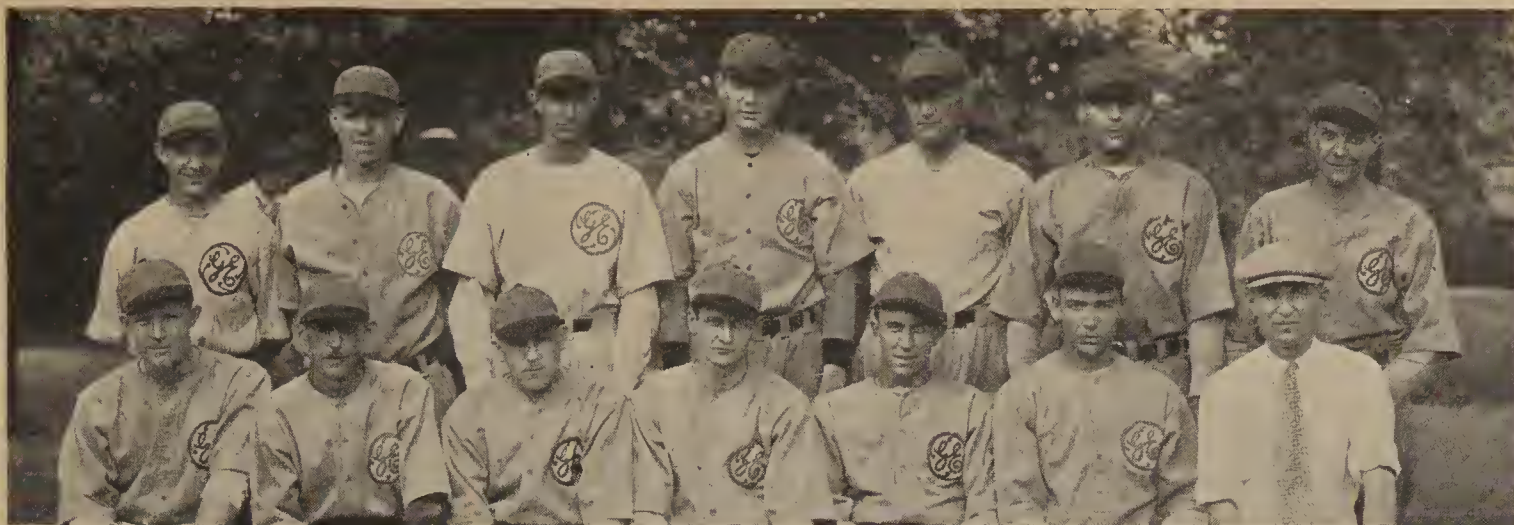
Paul G. Kirbach, Bldg. 26-1, changes to fence at Testing Dept.

J. Wilmer LaVine, Bldg. 12-2, moving tool grinder to eliminate a hazardous condition.

Reuben Dewart, Bldg. 22, supplying supports at tables to keep strip steel in place.

Alfreda Sullivan, Bldg. 4-1, supplying coil hangers to the right of operator at machine No. 9748.

Alfreda Sullivan, Bldg. 4-1, changes to certain winding arbors to reduce the possibilities of cutting insulation and the operator's fingers.



G-E BASEBALL TEAM IN Y.M.C.A. INDUSTRIAL LEAGUE

Left to right—Back row: McAfee, rf; Cowan, 1st b; Shepler, p; Hanauer, p; Hitzfield, p; Kestner, cf; Glenn, ss. Front row: Biedenweg, Coach; Kammayer, lf; Enders, 3rd b; Rodenbeck, p; Lichty, 2nd b; Bubbs, c; Wm. Weber, Mgr.

Alfreda Sullivan, Bldg. 4-1, changes to rods for supporting coils.

Lillian Magner, Bldg. 4-1, painting windows in office to reduce glare.

A. E. Romary, Bldg. 19-1, changes to certain fabricated bases in the Apparatus Section.

Kenneth J. Rupp, Bldg. 26-3, change to screen at men's wash room.

W. F. Bracht, Bldg. 16-B, changes to pipe line supplying water for ice machine.

Melvin Dick, Bldg. 12-3, supplying emery wheels with 1½-in. bore for 12-1 tool coop.

W. Maloney, Bldg. 26-3, supplying waste paper baskets in men's toilets.

Robert Kittle, Bldg. 20-1, providing switches at spot welders in Bldg. 26-B.

Wm. N. Garihan, Bldg. 18-1, covering runways in 8-2 with sand roofing.

Kenneth D. Malott, Bldg. 4-5, supplying shield between lathe and emery wheel.

Evelyn Barrand, Bldg. 26-2, supplying trough under riveting machines.

Donna Daugherty, Bldg. 4-2, providing shield for the protection of winding machines.

Levi E. Osborn, Bldg. 20-1, relocating ladder hooks in West end of Bldg. 26-3.

Doyle Funderberg, Bldg. 17-3, supplying a guard over belt and pulley of burring machine.

F. J. Diss and V. C. Dafford, Bldg. 17-3, changes to conveyor rack for starters at washer.

Carl B. Egts, Bldg. 26-2, supplying side boards on push carts for transporting transformers.

Lindsay E. Eastes, Bldg. 4-3, re-arranging certain machines in Bldg. 4-3 to provide aisle space.

Otto W. Nahrwold, Bldg. 17-3, providing shield for splined shaft of Cincinnati grinder.

Paul Meyers, Bldg. 4-3, supplying air hose at B & S machines.

Owen Davis, Winter St., stocking of special five lip countersinks in tool coop.

Gladys Eagleson, Bldg. 26-2, improvements in the methods of soldering certain leads in transformer Division.

Walter Frede, Bldg. 26-2, maintaining and reconditioning soldering irons in the Transformer Division.

Ralph McCain, Bldg. 26-2, providing containers for certain reclaimable material in Transformer Division.

Max Murray, Bldg. 26-2, improved set up to facilitate the prompt attention to rejects.

Walter E. Pohler, Bldg. 26-1, re-arranging switch box at a certain machine.

Irene I. Tillman, Bldg. 26-2, dipping certain transformer unit coils in paraffin.

Irene I. Tillman, Bldg. 26-2, providing troughs for catching paraffin when spooling repairs.

Paul Radmerski, Winter St., additional award, supplying checking fixture for throw on compressor crankshaft.

Paul Meyers, Bldg. 4-3, supplying rack for screw machine cams.

Henry Fackler, Winter St., supplying a fanning mill for cleaning and separating carbon in the carbonizing section.

Geo. D. Ellison, Winter St., changes to lugs on chuck used in facing un-loader seat on DR-3 main frame.

Archie L. Sheean, Bldg. 26-1, supplying rack or clamp to hold certain coils in transformer section during connecting operation.

Wallace L. Clayton, Bldg. 17-3, supplying air hose at fixture used to check for balance and true of armatures.

Lester E. Essig, Winter St., supplying protection shield at drill press.

Andrew Ward, Winter St., supplying guards for vacuum gauges.

Ores Paul Redding, Bldg. 26-2, supplying guards on rewinding machines.

Walter B. Crampton, Winter St., change to spray shield on grinder.

Emil Fabian, Winter St., supplying stop for holding cylinders from turning at centering machine.



F. Bitsburger, 19-2, with Fish Caught in Pretty Lake



8 Pike 3½-7 Lbs. Each, Caught in Crooked Lake by Geo. Soutder and Frank Herrick

Emil Fabian, Winter St., improvement to automatic trip on drill press.

Leo Walters, Bldg. 4-5, changes to conveyor on motor-generator set assembly.

George A. Thomas, Bldg. 20-2, supplying shields at arc welders in Bldg. 26-B.

C. E. Warner, Bldg. 4-4, supplying guard at lathe.

Jessie Snyder, Bldg. 26-2, use of paper formerly wasted at winding machines in Transformer Division.

William Nahrwald, Bldg. 26-1, packing certain transformers in corrugated paper boxes.

Archie Sheean, Bldg. 26-1, supplying certain transformer assembly operators with more suitable tools.

Sport Notes

Y.M.C.A. Industrial Baseball League

After breezing along in pennant-winning style, taking all of the first round games with comfortable margins, and dropping one game in the second round, the G-E team has hit a run of hard luck—losing to City Light and Pennsylvania—so it will mean tough sledding for the balance of the season if they are to attain the wanted championship.

The team is playing heady ball, out-hitting the opposition, but the breaks don't seem to come right, and that's part of winning ball games.

Coach Biedenweg is giving the crew plenty of hard practice with the intention of pounding out a couple of needed victories, while Manager Weber figures it's all in the bag because it's a regular outfit and can play the game.

Kestner and Enders, who have taken part in all of the games, have averages of .457 and .426, and are closely followed by Lichty, Cowan, Bubbs and Kammeyer in hitting.

INDIVIDUAL AVERAGES

	G	AB	H	Avg.
Rodenbeck	3	10	5	.500
Hitzfield	1	2	1	.500
Lichty	4	15	7	.466
Kestner	13	59	27	.457
Enders	13	61	26	.426
Cowan	4	18	7	.388
Bubbs	11	30	11	.366
Kammeyer	11	50	17	.340
Wellman	11	36	9	.250
Hanauer	5	12	3	.250
McAfee	6	20	4	.200
Glenn	12	56	11	.196
Farrell	9	16	2	.125
Chandler	2	4	0	.000
Biedenweg	1	1	0	.000

Inter-department Baseball League

Winter Street went into the lead by defeating Apparatus, winner of the first half schedule, and promises to maintain the top position during the remainder of the season. Motor Veterans dropped one hard game and are now tied for second place, while the other teams are battling to better their positions.

In case Winter Street wins the second round then a series of games will be played with Apparatus team to decide league champion honors.

LEAGUE STANDING

	Won	Lost	Pct.
Winter St.	4	0	1.000
Apparatus	3	1	.750
Motors Vets	3	1	.750
Motor Vets	3	1	.750
G-E Squares	1	2	.333
Transformer	1	3	.250
Gen. Service	0	3	.000
Small Motor	0	3	.000

Inter-Department Softball League

The second round of play ended with Apparatus, Apprentice and Main Office teams tied for first place. In the ensuing play-off, Apprentice defeated both teams, and took honors for this third of the schedule.

Apparatus, winner of the first round, and Main Office tied for second place, with the Squares, Payroll and Meter crews finishing in the order named.

The third round of games is well under way and any team can climb to the top. A series of games between the

round leaders will be played to decide the league championship.

FINAL STANDING, SECOND ROUND

	Won	Lost	Pct.
Apprentice	6	1	.857
Apparatus	4	2	.667
Main Office	4	2	.667
G-E Squares	2	3	.400
Payroll	1	4	.200
Meter	0	5	.000

Decatur

Several Girls Will Train To Be Nurses

Margaret Devalut, of the Winding Dept., and Margaret Eiting, of the Collector Dept., entered nurses' training on September 2 at St. Vincent's Hospital, Indianapolis. Verna Vance of the Winding Dept. at the same time entered the Lutheran Hospital, Ft. Wayne to take nurses' training. Friends at the Decatur Plant wish them every success in their chosen careers.

Weddings

Baker-Reffey

GLADYS Reffey, of the Winding Dept., and Adrian Baker were married on August 6 by the bridegroom's uncle, Rev. Johnson. After a short honeymoon, the newlyweds are at home to their many friends on South First Street.

White-Butler

Niles White, Tool Room, and Monia Butler announced on September 2 that they had been married on August 12 at Boone Grove, Mo., while Mr. White was away on vacation.

Bolinger-Adams

Vilas Bolinger, a machine operator in the Flange Dept., and Lucille Adams were married on August 23 at the bride's home in Rockford, Ohio. After a dinner and reception the young folks left for a trip to Niagara Falls and New York City.

Absent Employees

Pauline Andrews, Winding Dept., is at the Adams County Memorial Hospital recovering from an attack of typhoid fever.

Carol Lake is recovering nicely following an operation for appendicitis at the Adams County Memorial Hospital.



APPRENTICE TEAM WINNER SECOND ROUND
INTER-DEPT. SOFTBALL LEAGUE

Left to right—Back row: Johnson, c and Mgr.; W. Hazelett, 3b; Farrell, cf; E. Hazelett, 2b. Front row:—Stoppenhagen, p; Lewis, lf; Braden, cf; Hunt, lf; Strouse, rf; Hardwick, p, and Fenwick, 1b, not in picture.

Short Cuts

SHORT cuts are very prominent features of modern life. The demand for speed has made it necessary to devise short cuts wherever possible, and has created a greater demand for careful workmen.

There are two principal kinds of short cuts—good and bad.

“What is the quickest way to the General Hospital?” shouts the jay walker. “Stay right where yez are,” yells the traffic cop. That’s what we call a bad one.

And when a fellow takes a chance and the doctor looks him over and says he will have to cut off a hand, or foot, or arm, or leg—that’s another short cut and a mighty bad one.

But when there’s a mean remark right on the tip of your tongue, and it hops off almost before you know it and you catch it and cut it right off short—that’s a good short cut.

The world pays a premium for good short cuts, and there’s always a market for them when they are built on a foundation of Safety First.

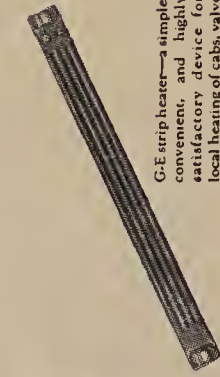
Heat at its best Here is equipment

is Electric Heat to use it

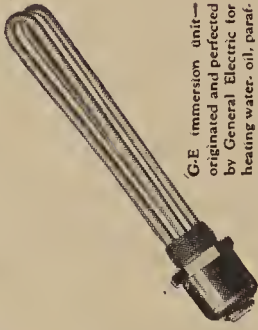
WHEN you think of Electric Heat, think of General Electric—dependable headquarters for every practical type of electric heating equipment. As the world's largest maker—and user—of electric heating equipment, General Electric has both the *background* and the *proving ground* to provide you with 100% equipment for using this 100% heat—Electric Heat.



G-E soldering iron—a modern repair tool "worth its weight in gold" in convenience, speed, and good work.



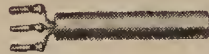
G-E strip heater—a simple, convenient, and highly satisfactory device for local heating of cabinets, pump housings, process machines, chicken coops and incubators, warming tables, oil lines, etc.



G-E immersion unit—originated and perfected by General Electric for heating water, oil, paraffin, etc., in industrial machines and processes.



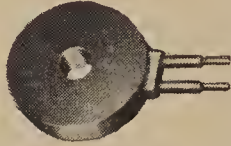
G-E air drawing oven—a big stride forward in that it employs a fan which steps up quality and doubles production.



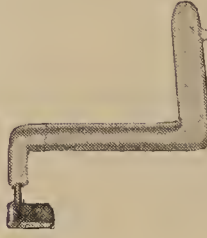
G-E cartridge unit—the most convenient and concentrated made for concentrated local heating of tools, dies, and other machine parts.



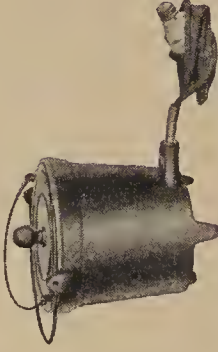
G-E special sheath-wire unit—an ingenious, yet simple unit for applying limited zones of heat to hard-to-heat process machines. These units are usually custom-built to meet individual requirements.



G-E cast-in unit—another special form of sheath-wire unit for applying clean, concentrated, accurately controllable, electric heat to process machinery.



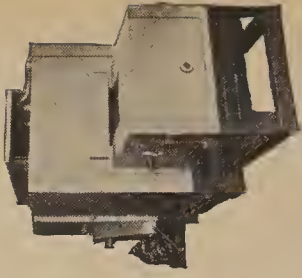
G-E cast-in immersion unit—the most successful unit ever developed for melting white metals and the only unit that can be immersed directly in the metal thereby producing direct heat action. Can be applied to any homemade pot or fuel-fired pot.



G-E glue pot—maintains molten glue at the exact working temperature, without attention. Will pay for itself quickly in better workmanship, saving in glue, and improved working conditions.



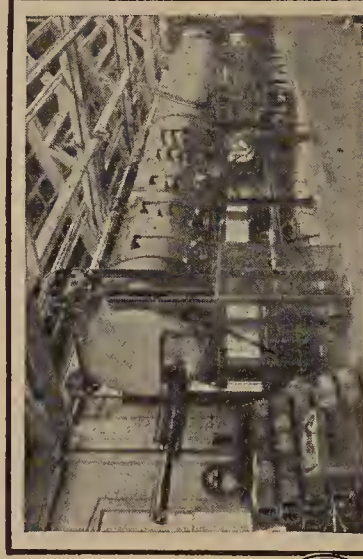
G-E industrial oven unit—the unit that is used by practically all electric-oven builders. Be sure that the oven you buy is equipped with these units. Their long life and high, maintained efficiency contribute much to the success of the electric oven.



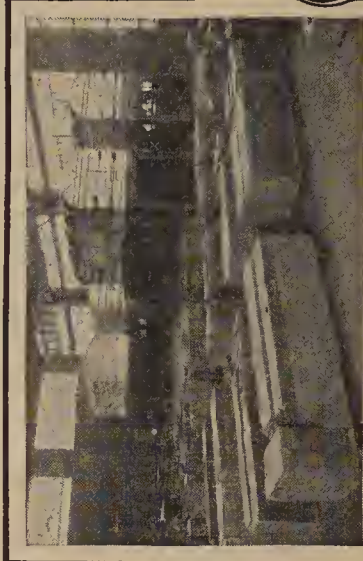
G-E continuous heat-treating furnace—a recent addition to the G-E line—developed to meet the request of many heat treaters for a standard furnace for continuous heat treatment of small parts.



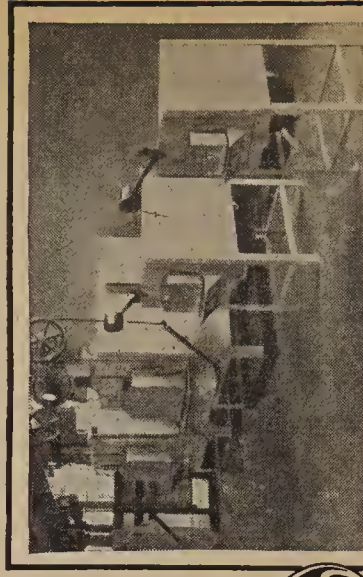
G-E continuous vitreous enameling furnace—the first really successful continuous enameling furnace because of its heat-sealed firing chamber.



G-E copper-brazing furnace—nothing like it in the industry. Assembles hundreds of small metal products from component parts, in one operation, by copper-brazing in an atmosphere of hydrogen.



G-E elevator furnace—this installation, in the Schenectady Works, has improved quality in excess of 5 per cent and reduced annealing costs more than 50 per cent.



G-E batch-type heat-treating furnaces—a familiar sight wherever heat-treating is carried on. General Electric originated the direct-heat principle—and these designs are the result of years of progress.



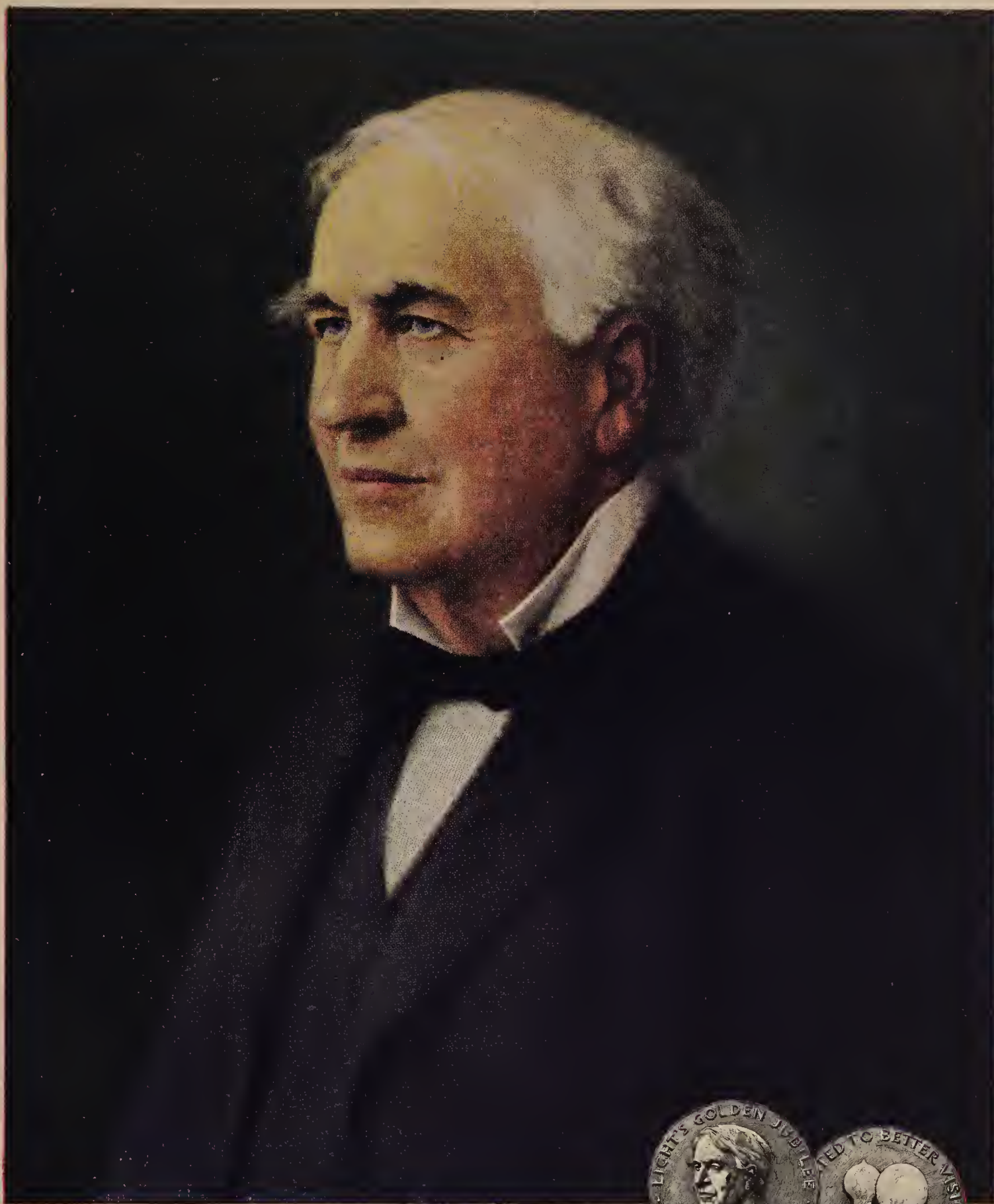
GENERAL ELECTRIC COMPANY, SCHENECTADY, N. Y.

SALES OFFICES

IN PRINCIPAL CITIES

570-101 B

This advertisement, appearing in industrial magazines, is part of the nation-wide Industrial Heating Sales Campaign being conducted by the Industrial Department throughout the month of September.



The
 Works News

October 18, 1929



© International News Reel

Edison's successor? Thomas A. Edison watches Walter B. Huston, winner of the Edison Scholarship contest, being congratulated by Charles A. Lindbergh. Henry Ford is in the background. By virtue of his victory, the 16-year old Seattle boy will receive an education sponsored by Thomas A. Edison in an endeavor to equip the lad to carry on the projects of the Great Inventor.



1879

LIGHT'S

GOLDEN

JUBILEE

1929

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

October 18, 1929

No. 10

An Interesting Department

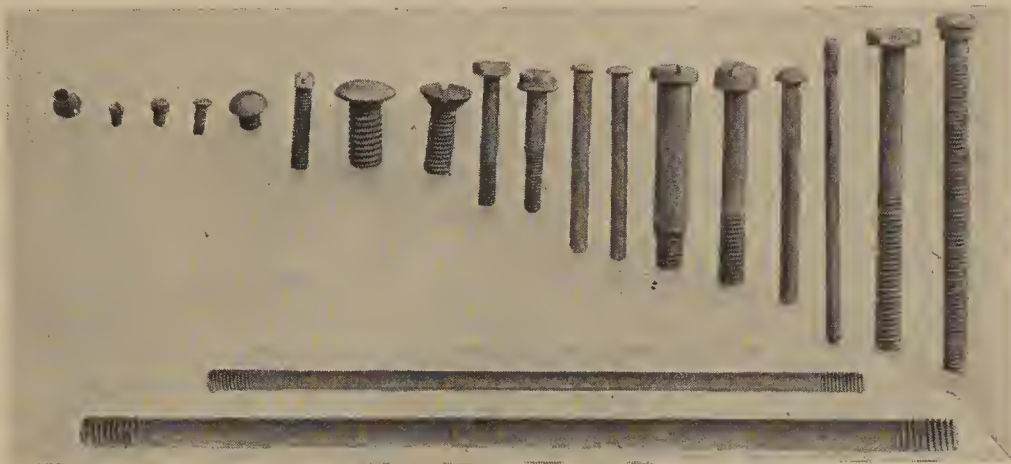
FEW of us give a thought to the little machine screws, rivets, and other small parts that go into the manufacturing processes here at the Works, or know how they are made. We have, however, a department known as the Cold Header Dept., that stamps and rolls them out by the million.

Brass or steel wire is fed into the heading machines and the end of the wire is struck a blow or series of blows by a forming die which upsets the metal and shapes it into the desired form of head. The machine then measures the part and cuts it to length. The term, cold header, is appropriate because the heads are formed without previously heating the material. From here they go to the slotter and are placed in a hopper which feeds them through a magazine to the slotting saw. The next machine takes the screws from a similar hopper and magazine feed and forms the thread by rolling the screw between a fixed and moving plate similar to rolling a pencil between the hands. These plates have parallel "V" shaped grooves cut at a slight angle and the screw is forced into the grooves forming the threads.

Various other parts besides screws may be made in this department. If a rivet is required, it is only necessary to perform the first operation of heading, omitting the operations of slotting and rolling threads.

Another machine known as the pointing machine will turn down the end of a screw or rivet to smaller diameter or drill a hole in the end of the part.

Screws, studs or rivets with special heads may be made by modifying the heading tools. Or they may be given special shapes by using



Some Cold Header Dept. Work

additional cutters on the slotting machines. Some kinds of knurling can be rolled in by the thread rolling machines.

Considerable new work has been undertaken by the Cold Header Dept. lately that has formerly been done on automatic screw machines, because a considerable saving can be made in both material and labor. When a headed part is made on the automatic screw machine, rod must be used of a diameter as large as the head, and the material cut away the full length under the head to secure the smaller diameter is wasted. There is also waste between parts in cutting off. In fact, in a great many cases more than one-half of the actual material used to form these parts on a screw machine goes directly to the scrap pile. In making these same parts on the cold header, wire, slightly less in diameter than the rolled thread, is used and enough material is forced back to form the head, so there is no loss.

Labor costs are much less in forming a part on the cold header. A roll of wire several hundred feet long is started into the machine and may run for hours without further attention. Practically all labor required in the operations of the slotting and pointing machines is to replenish the supply in the hopper from time to time. In forming a part on a screw machine the stock used is only eight to ten feet long and must be replaced frequently.

The number of parts per hour produced on a cold header is also much greater than can be produced on a screw machine when a cutting operation is employed.

The accompanying illustration shows the variety of work that can be done on a cold header. Several of these items it was formerly thought necessary to make on automatic screw machines, but experience proved that they could be made on the cold header. One of the special brass screws shown in the illustration when made on an automatic screw machine costs 4¼ cents. This screw is now made on a colder header for one cent, a saving of 3¼ cents, or 76 per cent. Considering the quantities of these screws used, the savings total thousands of dollars each year.

After carefully examining the different types of work shown in the illustration you may find that there are similar parts used in your work now being made on a screw machine that could be made on a cold header. Turn your ideas in to the Suggestion Committee, Bldg. 16-3, and if they are adopted, you will be eligible for a pleasing award.

Suggest It Now!



Clyde Boyce



Ed. Klomp



Carl Campbell



Henry D. Grepke



Otto Carsten



Luke Martin

Another Bunch of "Better Ways"

CARL S. Campbell, Bldg. 19-4, leads this month with his suggestion award of \$125. His suggestion covers changes in the design of the reinforcing plate for phonograph motor elements which make possible the punching of nearly twice the usual number of parts out of a given piece of stock, obviously a worthwhile saving in material.

Luke Martin, Bldg. 26-3, suggested a re-arrangement of the windings on Model Y-2073 transformers that produced a more symmetrical coil and caused a saving in both material and labor. His award was \$100.

Clyde Boyce, Bldg. 17-2, received an additional award of \$75 on review of his suggestion that rivets be inserted in DR-2 and 3 stators before stators were annealed. This suggestion resulted in such saving of time that he received an original award of \$100.

Otto Carsten, Bldg. 26-3, suggested a change in the terminal board assembly operation on certain transformers that brought him \$70.

Henry D. Grepke, Bldg. 17-3, suggested improvements in the press used in pressing armatures in Bldg. 17-3. His suggestion has just been reviewed and he received \$40 additional award. His original award was \$10.

Ed Klomp, Bldg. 4-5, received an additional award of \$25 on his suggestion of a special stacker for certain rotor repunch jobs in Bldgs. 4-5 and 17-2. His original award was \$50.

Charles O. Bower, Bldg. 26-B, was awarded \$20 on his suggestion of changes to the cases of capacitors used with the DR motors.

Ezra W. Garringer, Bldg. 19-4, suggested the substitution of steel

studs for brass studs used in certain MD-2 timers. His award was \$20.

William H. Schwalm, Bldg. 19-4, received \$15 award on suggestion regarding the combing of the reaming and counter-boring operations on phonograph frames.

Howard G. Miller, received \$15 additional on changes he suggested in the method of packing pressure switches for shipment. The original award was \$25.

E. E. Baker, Bldg. 4-1, suggested change in tools to facilitate the pressing operation on certain stators and received \$15.

Arthur Hyser, Bldg. 20-1, received \$15 on his suggestion of a change in layout of conduit for test lines in Bldg. 4-2.

Neva Rea Hoffacker, Bldg. 26-2, received \$15 award on her suggestion of change in method of handling certain rejected coils in the Transformer Division.

Fifteen awards of \$10 each were made as follows:

Frank M. Shideler, Bldg. 17-2, changes in tool used for testing stators for out of round.

Charles Druce, Bldg. 26-3, supplying special hooks to hold transformer case covers during the spraying and baking operations.

Wilbur M. Smith, Bldg. 26-1, supplying coil racks for treating operation, Bldg. 26-1.

Arthur H. Nord, Bldg. 17-3, supplying collar with skim reamer for rounding bearings at the time they are rough reamed. This was an additional award, the original award being \$20.

E. E. Schoenlein, Bldg. 19-4, elimination of grinding and polishing operations on D-12 and 13 cam shafts. This also was an additional award, the original award being \$25.

Norman Evarding, Bldg. 4-5, supplying an improved staking tool for compressor cases of icing units.

L. W. Schuster, Bldg. 26-B, changes to paddles on overhead conveyor in Bldg. 26-B to reduce rejections due to short circuits in transformer coils.

Gale Harris, Bldg. 26-2, supplying holders on certain winding machines.

Harry E. Wilson, Bldg. 27, supplying foot pedal for disconnecting clutch on punch press.

L. McCrosby, Bldg. 26-3, fixture for riveting terminals at transformer assembly.

L. Schuster, Bldg. 26-B, change to length of starting wires in winding certain transformer coils.

L. Ethel Brown, Bldg. 26-1, supplying containers for conveying coils to and from tapers.

Wilbur Rice, Bldg. 26-2, change in practice pertaining to the placing of poured transformers on conveyors.

Judson West, Bldg. 26-2, change in practice pertaining to the placing of poured transformers on conveyor.

J. O. Staley, Bldg. 26-5, utilization of inactive insulating material for certain transformers.

Two awards of \$7.50 each were made as follows:

Elmer C. Sible, Bldg. 19-5, elimination of hand counter-sinking and retapping of certain studs used in demand meters.

Lucile Nickelson, Bldg. 26-2, changes to hangers on ovens.

Ninety-nine awards of \$5 each were made as follows:

Fred M. Herber, Bldg. 4-3, supplying blinds in assembly.

Gerald B. Scott, Bldg. 4-B, supplying ventilating equipment in sand blast room.

Robert J. Arnett, Bldg. 4-1, reinforcing conveyor.

Edward Arthur, Bldg. 19-4, supplying an additional shelf at relay assembling and inspection bench.

Mary Ulrich, Bldg. 4-4, supplying bins for insulating paper at armature bench.

Dale Irwin, Bldg. 17-2, supplying shields at conveyor belt for protecting operators from hot solder.

George C. Hartman, Bldg. 4-5, changes to electrical equipment of grinder.

H. W. Meyer, Bldg. 19-5, supplying device for testing certain pressure switch springs.

Sidney W. Borton, Bldg. 4-1, supplying gauge for testing clearance on short-circuiting device on certain end shields.

W. Maloney, Bldg. 26-3, supplying automatic safety switch on hydraulic accumulator and pump at Winter St.

John E. Ormiston, Bldg. 4-4, supplying counter on power shears used for cutting insulation.

E. Auth, Bldg. 19-2, changes to gas furnace used at balanching machine.

Ruth Fuller, Bldg. 4-3, change to holding arbor used on certain winding machines.

Noah H. Crawford, Bldg. 20-1, supplying permanent ladder at spray booth.

H. Thomas, Bldg. 19-5, purchasing material in more economical widths.

Carl Hofacker, Bldg. 20-1, supplying screen at toilet.

Melvin R. Payne, Bldg. 26-4, supplying lights at die cast pots.

Fred M. Herber, Bldg. 4-3, supplying light in the toilet room over stairway.

Mary Quinn, Bldg. 4-5, using autograph plate for stamping tags on repair and return jobs.

Dale A. Lytal, Bldg. 26-1, supplying guard rail on conveyor at compound oven.

Henry Wichern, Bldg. 4-5, changing size of undercut on certain insert drawings to make the threading operation easier.

Lee Cupp, Bldg. 4-4, relocating machine used for stamping field punchings.

John E. Rogers, Bldg. 19-3, supplying guard at motor-generator set in Bldg. 17-1.

A. E. Coxon, Bldg. 19-2, supplying brackets for carbon holders of pyrotips.

Lillian Garihan, Bldg. 26-2, change to hi-potential testing equipment for preliminary test on GW-94.

Lewis W. Clark, Bldg. 4-4, change to blower pipe above insulating machine.

Paul E. Cooper, Bldg. 4-4, supplying guard at lathe.

Robert J. Arnett, Bldg. 4-1, placing linoleum on boards used in testing the rabbits.

Everett H. Lindeman, Bldg. 4-3, relocating Bristol heat recorder at oven in commutator assembly.

William G. Keubler, Bldg. 17-3, supplying guard at bench lathe.

Richard Julian, Bldg. 17-1, change to certain brush-holder studs to permit the use of rolled instead of cast material.

Robert W. Kessens, Bldg. 19-2, stopping up holes in floor.

Louis Scherer, Bldg. 2-E, supplying counter on sheeting machine.

Glenn Staiger, Bldg. 19-2, supplying a safety stop on conveyor.

Alfreda Sullivan, Bldg. 4-1, changes to pedal on certain winding machines.

Ira Augsburg, Bldg. 4-3, supplying thread gauge for checking of certain inserts.

Theodore Branning, Bldg. 27, providing stand for rolled stock.

Elsie June Davis, Bldg. 26-3, providing sides for insulating containers.

Dora Hollenbeck, Bldg. 26-2, change to tape cutters in Transformer Division.

Anna Schick, Bldg. 26-1, change in the length of fiber channels for certain high-voltage coils.

Clara Peckhart, Bldg. 26-1, change to varnish cambric wrappers used on certain transformer coils.

Art Lecoque, Bldg. 26-1, change to size of yokes for certain type KT transformers.

Hazel Newport, Bldg. 26-1, salvaging solder in Transformer Division.

Edward J. Barry, Bldg. 26-B, curtailing the improper usage of corrugated paper pads.

James F. Sarasien, Bldg. 19-4, the use of wrapping paper between certain relay covers and corrugated wrapping paper.

Henry Mizer, Bldg. 26-5, the elimination of rivet parts by spot welding on certain winding blocks.

Bayless Swift, Bldg. 12-B, supplying guard at paper testing machine.

Louis D. Hopper, Bldg. 20-1, changing location of crane switches.

C. F. Hambrock, Bldg. 19-5, utilizing LX-8 sheet steel trimmings on certain M-12 punchings.

Howard C. McVay, Bldg. 26-4, change to guard on grinders.

George Cherry, Bldg. 20-1, supplying trap at washing machine.

Melvin R. Nussel, Bldg. 12-2, supplying guard at coupling of motor-generator set.

William Uecker, Bldg. 4-3, the use of blank bearing instead of rod material for certain fractional hp. motor bearings.

Louie A. Frantz, Bldg. 8-1, supplying brake at respooling machine in Wire and Insulation Division.

Ralph F. McQueen, Bldg. 4-1, rearranging wet grinder to reduce the liability of accidents.

Robert Hatfield, Bldg. 20-1, supplying fiber blocks for test stickers.

M. Tobias, Bldg. 4-4, supplying large funnels for containers for dirty cutting compound.

Sadie C. Wolff, Bldg. 4-3, supplying drawers in benches for the commutator stackers.

Frank G. Kramer, Bldg. 20-1, rearranging window screens at stairways in Bldgs. 19 and 26 to facilitate sweeping and cleaning.

Agnes M. Schott, Bldg. 18-4, stamping prints used in Planning Section, Bldg. 27, to overcome the confusion

(Continued on page VII)



Fort Wayne Jenny Electric Light Co., Inc., 1881—Taken in 1889 When Erecting Office Building (Broadway Plant)—Courtesy L. E. Klingman

The Firemen-Band Outing



Some of the picnickers



William Beeman, the oldest member of the Fire and Patrol Dept.



"Butch" Vegalues



And still another group



Quoit fans



John L. VerWeire, band conductor, and Chief Paul Grimme



Another group

(Continued from page I)
caused by the intermixing with other prints.

Everett H. Lindeman, Bldg. 4-3, supplying rubber pads on floor for unloading reels at stock room.

Martin J. Didion, Bldg. 4-1, changes to drain pipes in washer.

Max Roberts, Bldg. 4-4, supplying guard at grinder.

Florence Elward, Bldg. 26-2, supplying container for certain insulation material at assembly benches.

Paul A. Berghorn, Bldg. 18-5, supplying oil cloth covers for drafting boards.

Pearl Underwood, Bldg. 26-2, gauging certain transformer coils for size.

Max Murray, Bldg. 26-2, changes to test boards at final test.

Golda Kessler, Bldg. 26-2, use of Kraft paper on steel arbors for anchoring starting wire in winding certain transformer coils.

William G. Demsey, Bldg. 6-3, additional award, changes in the method of packing certain meters. The original award was \$10.

Lester R. Heer, Bldg. 19-2, painting the oxygen and acetylene lines through the plant so they may be distinguished from other pipe lines.

Ben Keller, Bldg. 26-2, changes to foot pedals on certain winding machines.

George F. Huber, Bldg. 12-B, cleaning burr from certain compound tubing by tumbling.

Orval Doherty, Bldg. 26-1, supplying drawers for instruction books, etc., at radio test board in Transformer Division.

Earl Pyle, Bldg. 4-1, supplying guides for trucks in oven.

Ralph H. McCain, Bldg. 26-2, changes to specifications covering air gap spacers on certain transformers.

Doyle Gilbert, Bldg. 26-2, supplying light at grinder.

H. E. Hawthorn, Bldg. 20-1, change in construction to support of nozzle arm of large sandblast.

Erma Dauscher, Bldg. 19-5, furnishing sighting fixtures on blocks used for straightening certain shafts.

Louis Stalf, Bldg. 4-4, changes in the assembly operation of speed regulators on certain motors built in Fractional Hp. Motor Division.

Henry P. Hahn, Bldg. 27, placing a bar across the top of dipping tanks in Bldg. 27 to facilitate enameling operation on DR-5 evaporators.

F. E. Fisher, Bldg. 9, providing light and receptacle in toilet in Bldg. 22.

Edwin Kimmel, Bldg. 19-5, changes to bearing bushing assembly on certain demand meters.

Roy Bracht, Bldg. 26-5, supplying guard for weight on punch press in Bldg. 19-1.

Lamar Alwine, Bldg. 20-1, supplying guard over motor on milling machine in Bldg. 17-3.

Syvilla Wuebbenhorst, Bldg. 4-5, supplying holder for stockinette used at d-c. field coil reinforcing bench in Bldg. 4-5.

Louise E. Craig, Bldg. 4-5, supplying holder for thread spools at lead bench in Bldg. 4-5.

Virgil Nash, Bldg. 8-2, supplying thumb screws to hold tubes on insulating machine in Bldg. 8-2.

F. Saylor, Bldg. 4-5, supplying wooden adapters for holding casting trays on dolly trucks in Fractional Hp. Motor Division.

Emma Sinn, Bldg. 17-2, supplying shield at conveyor to protect operators at the connectors table in Bldg. 17-2.

Alfreda Sullivan, Bldg. 4-1, change to drip pan for fan south of office in Bldg. 4-1.

L. P. Drummond, Bldg. 19-3, scrubbing and disinfecting refuse containers.

Louise Lawson, Bldg. 26-2, use of 5/16-in. gummed paper to hold glassine paper on arbors and anchoring wires in Bldg. 26-2.

Olive Mennich, Bldg. 26-2, use of paraffin instead of tape when placing spools in repair coils in Bldg. 26-2.

Harold Haggard, Bldg. 26-1, salvaging of 0.064 enamel wire used in certain transformer coils in Bldg. 26-1.

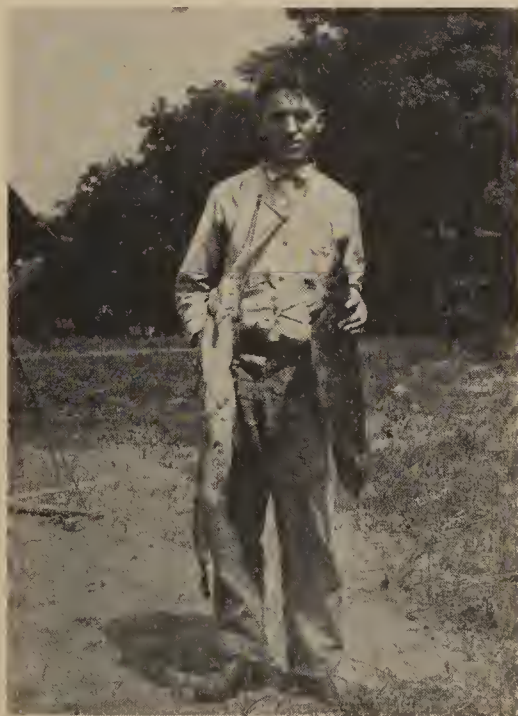
Joe Kirk, Bldg. 26-2, turning heat on Sarco tank in Bldg. 26-2 at 5:00 a.m.

Glennola Heckbar, Bldg. 26-2, supplying special soldering irons for certain operators in 26-2.

Harold Haggard, Bldg. 26-1, supplying pressing fixture for pressing certain coils in Transformer Division.

Von Eichhorn, Bldg. 26-3, supplying air hose at cleaning bench in Bldg. 26-3.

Helen Drewery, Bldg. 26-2, changes in the use of certain insulating material in GW-135 transformers.



SEA MONSTERS
Harry Ross, Bldg. 6-2, with a Couple of Sea Monsters from Jimmerson Lake

Production Section Honors C. H. Baade

THIRTY-SIX were present at a farewell dinner given in the Works Restaurant, September 25, by the Apparatus Production Section, to C. H. Baade, head of the section, who was to leave October 1 for Schenectady.

Following the dinner a short program of entertainment was presented by Dwight Meyers, Margaret Bohn and Margaret Schott. Ralph Hageman, toastmaster, called on A. Delagrang and W. H. Kellermeyer for short talks. Mr. Baade was presented a fine walrus bag and an autograph remembrance as a mark of the esteem in which he is held by members of the departments. In his response Mr. Baade expressed his regret that he is to sever his daily contact with the members of the department and thanked them for their fine co-operation and their expressions of esteem. Mrs. Baade and W. H. Kellermeyer, who is to succeed Mr. Baade, were the only guests.

Foremen's Association Holds Family Picnic

THE Foremen's Association held its 10th annual family picnic at the Elks Country Club on October 6. Dinner was served at noon and thereafter a special program of events was carried out. A family picnic with the Foremen's Association means just that; every feature of the day was planned for the pleasure of the women and children. There was lemonade, pop, and ice cream by way of refreshments, as well as candy, peanuts, popcorn and balloons. Games and contests for both the young and old served to break down all barriers of lack of acquaintance, and everyone mixed in for a jolly time. The fun carried through until late in the afternoon when all returned to their homes, tired perhaps, but with pleasant memories of one grand, good time. The association members from the Fractional Hp. Motor Division sponsored this event, with M. Harrigan, O. Nahrwald, V. Castle, and A. Kissinger actively in charge. A. C. Hartman, A. McAtee and G. Bridges assisted.

Smile Awhile

Jones: "Sorry old man, that my hen got loose and scatched up your garden."

Smith: "That's all right; my dog ate your hen."

Jones: "Fine! I just ran over your dog and killed him."

—*St. Paul Farmer.*

* * *

Mr. C. was selling Mr. S. a dog.

"Are you sure it's a genuine bloodhound?" inquired the prospective purchaser.

"Certainly," replied Mr. C. "Rover, bleed for the gentleman."

—*Boston Herald.*

* * *

First Banker: "I tell you a republic is not the form of government for a modern nation!"

Second Banker: "No, think of trying to run a whole country with only one vice president!"

—*Guaranty News.*

* * *

"Pretty bad cold you have, old man. What are you doing for it?"

"Today I'm doing what Jones told me to do. It's Simpson's day tomorrow and the next is Brown's. If I'm not better by Sunday, I'll try your remedy. Just write it down on this numbered card, will you?"—*Life.*

* * *

A fat woman elbowed her way through the crowd, jabbing first one person and then another. Finally she gave one nearby man an unusually hard thump, and said:

"Say, does it make any difference which car I take to Greenwood Cemetery?"

"Not to me, madam."

* * *

Two attorneys, one decidedly glum of countenance, met on the street.

"Well, how's business?" the first asked of the dismal one.

"Rotten," the pessimist replied. "I just chased an ambulance twelve miles and found a lawyer in it."

—*American Legion Monthly.*

* * *

Algernon (reading joke): "Fancy this, Percy, 'A chap here thinks that a football coach has four wheels.'"

Percy: "Haw! Haw! And how many wheels has the bally thing?"

* * *

Shoemaker: "This is the first complaint we have ever had about this make of shoes. Didn't they fit you?"

MacIntosh: "Aye, they fit me all right, but they're a wee bit tight for my brother on the night shift."

* * *

"You can take your finger off that leak in the pipe now, father."

"Thank heavens! Is the plumber here at last?"

"No—the house is on fire."

C. H. Baade Goes to Schenectady—Is Succeeded By W. H. Kellermeyer



C. H. Baade



W. H. Kellermeyer

C. H. BAADE, formerly in charge of Apparatus Production section, left October 1 to accept a position at Schenectady with M. F. Simmons, who is supervisor of production for all G-E plants.

Mr. Baade had been employed here since the fall of 1913. He started as a clerk in apparatus armature winding and for two years followed such clerical work, occasionally trying his hand at the actual armature winding. When the factory equipment was transferred here from the Madison, Wis., plant Mr. Baade was taken into the Production Dept. and assisted in working out arrangements to accommodate the Madison production.

He was then assigned to the production of battery charging apparatus. The d-c. exciter production later was assigned to him and when the d-c. motor manufacture was transferred here several years ago the production work on this line also was assigned to him. Not long thereafter the remaining pro-

duction of a-c. machines was combined with d-c. apparatus production work and since then Mr. Baade has had supervision of all this work.

W. H. Kellermeyer, who succeeds Mr. Baade, formerly had charge of induction motor and alternator production here. After the transfer to eastern plants of all the induction motor manufacture and some of the alternator manufacture as well, resulting in the combining of the d-c. and a-c. apparatus production, Mr. Kellermeyer was transferred to special assignment work under Mr. Evans and Mr. Miles. He thus has been in close touch with production work generally and is admirably fitted by experience for the assignment which he now undertakes. He has been with our Company since 1907, when he started as a messenger in the Apparatus Engineering Dept. Accordingly, Mr. Kellermeyer needs no introduction.

Eleven Apprentices Enroll

DURING September none graduated from the Apprentice School; however, during the past month 11 new students enrolled. Of these, seven are to take the electrical tester course, three the machinist-tool-maker course, and one the draftsman course.

Those who enrolled for electrical testing are: Glenn Crosby, Toledo, O.; Richard Madden, Auburn; John Lowe, Butler; Edwin Kush, Decatur; Robert Short, Salem; Howard Steiger and John Beerman, Spencerville; all being high school graduates.

The new student on the draftsman course is Harry Proxmire, Payne, O., a graduate of the high school there.

The new men on machinist-tool-maker course are: William Gatton, who had one year's work at Fort Wayne Central High; Charles Spice, who completed the grade school work at the Lincoln School in Allen County, and Edward Grote, who is a graduate of South Side High.

All There



Your hands are worth more to you full of fingers than full of anything else.

Off To College!

OF interest locally was the announcement in the September WORKS NEWS that three young men from Fort Wayne had been granted assistance in pursuing their college educations through the General Electric Educational Loan Fund.

Earl S. Shannaberger, who was mentioned in the article, had completed his third year at Purdue in studies which it was planned should prepare him for entrance to medical school.

Mr. Shannaberger had an excellent scholastic standing in his work at Purdue and his instructors there hold him in high esteem. The completion of his junior year at Purdue left him with but one scholastic requirement for entrance to the medical school at the University of Michigan, namely; two years in Latin, which he had not taken in high school and which was not required for entrance at Purdue. Accordingly, during this summer vacation Mr. Shannaberger tackled this job of doing two years' work in Latin in the three months before the beginning of the new school year. This was a task many students would not care to undertake but Mr. Shannaberger succeeded, very much to his credit, in doing this work and has entered Michigan with full pre-medic requirements.

Norman J. Singleton, an employee in the Mailing Dept. since April 9, 1925, working part time during the months he was in school, is one of these young men who have received loans. He has made a good record in his work here, oftentimes being in charge of the Mailing Dept. in the absence of the regular clerk. Norman had full credits from Central Catholic High School for college entrance and is now at Butler University, Indianapolis, where he has enrolled for the course in business administration. He is the son of John M. Singleton, General Division, who is in Bldg. 4-3,

him in going to Purdue where he is taking electrical engineering, is the third. Mr. Tam, it will be recalled, was formerly in the Elec-



Mark Tam



Earl S. Shannaberger



Norman Singleton

trical Maintenance Dept., Bldg. 20-1, and he returned here to work during the summer vacation.

Others from the Works who have left to enter college or to continue their collegiate work are George Dierstein, graduate draftsman apprentice working in tool design drafting, who has entered Purdue to study mechanical engineering; Raymond W. Crick, graduate electrical tester apprentice working in Meter Development Test, who has entered Purdue to take electrical engineering; Harold Stultz, Purdue student who worked this summer for Mr. Haruff, Bldg. 26-2; James R. Roberts, of York, Neb., a student at the University of Nebraska who returned to complete his course after working here in Meter Test; James L. Corcoran, Purdue student who worked for Mr. Seibt on plant layout work during vacation; L. M. Craft, who graduated from the University of Illinois last June, returned for post-graduate work after working for the summer in Apparatus Test; M. E. Scoville, of Sumner, Neb., who worked this summer in Meter Test, returned to the University of Nebraska to complete his course; Anthony Hattendorf, graduate of our Apprentice School who is studying medicine at Indiana University, returned after spending the summer with Mr. Hoffman in the tool room; Clarence A. Biederweg, who is taking mechanical engineering at Michigan, returned after spending his vacation in the tool room; Ronald

R. Dysart, of Union, Neb., a student at the University of Nebraska, who returned after working this summer for Mr. Erickson in Fractional Hp. Motor Test; Howard Crise, who worked during the summer in the phonograph motor inspection and test, is now at Butler University; Craig Laubenstein, who also spent the summer in the phonograph motor inspection and test, has returned to Purdue; Ralph Welch, who worked this summer in the Fractional Hp. Mo-

tor Engineering Dept., is back at Purdue on his final year; Stephen Miles, who worked at Winter St., this summer, has entered Purdue.

Among the young women of our Fort Wayne Works the following are now at college: Ethel Steup, Bldg. 4-5, who has returned to Purdue for her second year; Elizabeth Lamson, Bldg. 4-5, who also is at Purdue taking second year work; Charlotte Hodell, Bldg. 4-4, who is at Indiana for her second year; Catherine Walsh, Bldg. 3-3, now taking her second year at Indiana; Mary Barley, Bldg. 17-3, who has entered North Manchester College; Mary Hillis Miles, Bldg. 18-3, who has entered De Pau; Mary Graham, Bldg. 21, who is at Western College, Oxford, Ohio.

Recent Deaths

Chloe Imel

CHLOE IMEL, of the Fractional Hp. Motor Dept., Bldg. 4-4, was killed instantly September 22 in an automobile accident which occurred near her home at New Pittsburgh, where she was spending the week-end. Miss Imel began her service last April. Three of her brothers are also employed here, namely, Belva Imel, Bldg. 26-3; John Imel, Bldg. 4-3, and Ora Imel, Bldg. 4-4. The funeral of Miss Imel was held September 25 from the Saints Church at New Pittsburgh, and burial was in the cemetery there.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13 October 18, 1929 No. 10

Throwing Money Away

FROM time to time there will be published in future issues of the WORKS NEWS specific examples of ways in which our Company suffers needless losses of money. One of these cases is that of the damaged wire reel shown on this page.

Many things that come into our factories can be used over and over again if reasonable care is exercised by those who use them. When serious damage occurs to such reusable things they are henceforth practically worthless, and our Company loses just what new ones cost to replace them. If the damage occurs through carelessness in handling, the loss is a preventable one. Obviously, money so lost can never appear either in the pay envelopes of G-E employees or in the dividend checks of the stockholders. So far as G-E folks are concerned it is gone beyond control. It is good business for us to prevent such losses. Thoughtful care will enable us to show improvements along this line. We believe Fort Wayne Works employees will be more than willing to use such care.

Over 475 People Start Night School

THE first week of the Night School this year shows a record attendance. Seventy-two

reported for comptometry. They were divided into three classes meeting on Monday, Wednesday and Friday. Fifty-four reported for elementary typewriting. They were divided into three classes meeting on Monday, Tuesday and Wednesday. Sixty-four reported for machine shop practice, and were divided into three classes meeting on Tuesday, Wednesday and Thursday. Arithmetic and blueprint reading is being run in two sections, one on Tuesday and one on Thursday; business English in two sessions, one on Monday and one on Tuesday; mechanical drawing in two sessions, one on Tuesday and one on Thursday; and elementary electricity in two sessions, one on Tuesday and one on Wednesday. Sixteen reported for algebra on Wednesday, 18 for trigonometry on Thursday and 24 for public speaking on Wednesday.

A class of 14 is taking algebra at the Winter Street Plant.

Three classes probably will be started at Decatur, as there are 19 signed up for elementary electricity, 14 for mechanical drawing and nine for public speaking.

Absent Employees

Alice Norris, Transformer Dept., Bldg. 26-2, is at her home 2805 Lillie St., recovering from an operation.



A DAMAGED WIRE REEL

This photograph shows the damage done to a wire reel by careless handling. Wire reels which are in good condition are returnable material, but when damaged they will not be accepted by the supplier. Our Company then loses \$4.50, the cost of such a reel.

Mary Chronister, Transformer Dept., Bldg. 26-3, is at home, 2520 S. Anthony Blvd., recovering from an operation.

Nina Pence Roe, Small Motor Dept., Bldg. 4-4, is also at home at Ossian.

Ethel Leimenstoll, Small Motor Dept., Bldg. 17-2, who has been absent several weeks, is improving. She resides at 2029 Brooklyn Ave.

Mrs. Mary Linn, Transformer Dept., Bldg. 26-2, who has been seriously ill at the Lutheran Hospital, is now improving and hopes to return soon to her home at 2110 Cozy Court.

Harold Pyle, Refrigerator Dept., Bldg. 27, a patient at a sanitarium at Rockville, Ind., reports that he is feeling much better.

James Brown, Transformer Dept., Bldg. 26-2, is a patient at the Veteran's Sanitarium at Dayton, Ohio.

Helen Fleming, Small Motor Dept., Bldg. 4-3, has been absent several weeks because of an operation but reports that she is feeling fine again.

Lelah Gaunt, Transformer Dept., Bldg. 26-2, who has been a patient at the St. Joseph Hospital for several weeks, expects to return to her home at Warren soon.

Herbert Filer, General Service Division, has been away from work for several weeks and expects to enter Irenc Byron Sanitarium as soon as there is a vacancy.

Harley Ward, Small Motor Dept., Bldg. 4-5, is quite improved and is planning on returning soon.

J. Hammond, Bldg. 19-1, who underwent an operation, is now at his home, 721 Taylor St.

Stella Demctroff, Transformer Dept., Bldg. 26-2, has been unable to be at work for several weeks, but she is getting along nicely now.

Florence Pape, Small Motor Dept., Bldg. 17-2, who is a patient at the St. Joseph Hospital, expects to leave for her home, 1018 Fulton St.

Victoria Rygowski, Winter Street Plant, is now at her home at 1734 Hillside Ave., recovering from an operation.

Leo Olinger, General Service Division, is a patient at the Methodist Hospital recovering from injuries received in an automobile accident.

Walter Rehling, Fractional Hp. Motor Dept., Bldg. 4-5, is ill and confined to his home at 517 Madison St.

Walter Holloway, Small Motor Dept., Bldg. 4-1, has been kept from work for several weeks by an attack of rheumatism, but reports that he is feeling some better and hopes to be able to return to work soon.

Gust Hitzeman, Machine Dept., Apparatus Section, Bldg. 19-3, who has been sick and off duty for several weeks, reports that he is feeling better.

Vera Partee, Transformer Dept., Bldg. 26-2, is at home, Sherwood, Ohio, recovering from an operation.

Mary Hill, Collector Dept., who has been ill for quite some time is now slowly improving.

The Jubilee

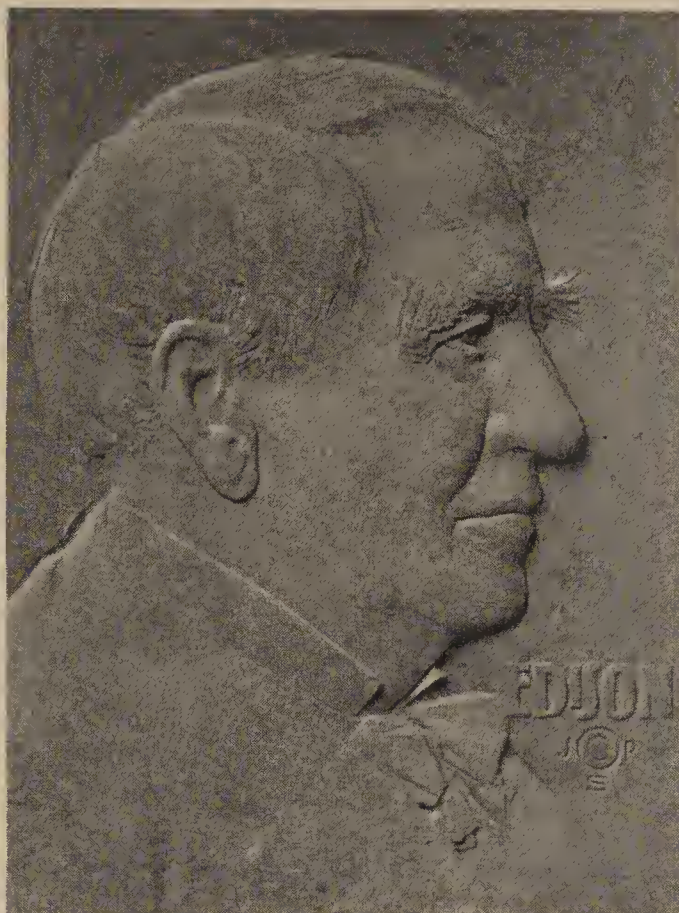
Fiftieth Anniversary of Edison's Greatest Invention Will Come to Climax Monday Evening

THE climax of LIGHT'S GOLDEN JUBILEE—celebrating the 50th anniversary of the invention of Thomas A. Edison's incandescent lamp—will occur next Monday, October 21, at Dearborn. This will be the concluding ceremony in the most far-reaching and impressive tribute ever accorded to a living inventor.

It was but last February, on the occasion of the observance of Edison's 82nd birthday, that John W. Lieb proposed to his fellow members of the Edison Pioneers that a committee be appointed to suggest to the electrical industry at large an appropriate celebration of the Golden Jubilee of the incandescent lamp during the year 1929. Shortly afterward the President of the United States, Herbert Hoover, in accepting the honorary chairmanship of the national sponsoring committee, said: "I shall be delighted to serve in any capacity which will be a genuine tribute to Mr. Edison's services."

On May 31 at Atlantic City a roaring airplane, a flashing signal, and a shaft of light piercing the darkness announced to the world at large that LIGHT'S GOLDEN JUBILEE was under way. The spectacle that followed was one of the most breath-taking lighting displays ever attempted. At Niagara Falls, two weeks later, a battery of searchlights aggregating one and a half billion candlepower turned a mountain of water into a flashing torrent of light. At Cleveland, on August 31, a multitude attended while the foremost figures in aviation dedicated a day of the National Air Races to the work of Edison. And the Menlo Park genius, who had never fought a battle except against a peacetime foe in behalf of all men, was honored on September 30 by the 100,000 visitors to the most brilliant and colorful of American Legion conventions at Louisville.

In the southern city 39 blocks were specially decorated and lighted with golden lamps. Finally, at Dearborn,



on the night of October 21, LIGHT'S GOLDEN JUBILEE will come to a climax in a celebration to be carried throughout the world by radio.

The progress of the celebration has probably been most amazing to those who were responsible for its inception. It seemed as though the electrical industry had little idea of the universal popularity of Thomas Edison. Every suggestion has taken root with a civic organization, a city or state official, or a private individual. Captains of industry and finance, and a group of men and women representing practically every walk in life in America, make up the personnel of the national sponsoring committee. Street parades, lighting festivals, special floodlighting of public buildings, have been the order of the day; and even complete sections of the country have been organized, as in New England. Governors and mayors head committees. The issuance of a

special two-cent stamp by the government gave some indication of the public feeling when 330 million stamps were purchased almost immediately. Every one of hundreds of letters that were received from societies, women's clubs, and individuals wishing to know how they might be of service, was acknowledged. Preceding the celebration of October 21 the governors of at least 22 states have issued or will issue proclamations.

The responses of foreign countries to the call of LIGHT'S GOLDEN JUBILEE has been gratifying. Austria planned a light festival to form a part of the Autumn Exhibition held from September 2 to 8 in Vienna. This was extended to the annual congress of the German Association of Technical Illumination, September 12 to 14, and addresses were delivered by leading Austrian scientists. On May 22, the Japanese committee on illumination met and decided to take part in LIGHT'S GOLDEN JUBILEE. Special committees were appointed in Tokyo and Osaka and a celebration was planned covering an exhibition of illumination, public lectures and essay contests, broadcasting on the subject of light, electric sign and window contests, a game of Rugby played at night, lectures at the Imperial University and from station JOAK, and a special meeting on October 21. France, through a national committee, signified its intention of commemorating fifty years of light and the genius of Edison. The Sociedad Argentina de Lumincultura of Argentina planned a light festival to be carried out by the business organization of Buenos Aires, and the co-operation of the government was sought for the general illumination of buildings and a waterfront display. Italy, Germany, Holland, Sweden, China, Mexico, and Brazil also have projects under way.

The finale will be held in Dearborn, October 21, and it will be a fitting observance of the achievement of a great inventor by his own countrymen, held at one of the most appropriate shrines of American industry. Another figure instrumental in serving the future, that of Henry Ford, has been largely responsible for setting the stage.

Mr. Ford's devotion to the cause of LIGHT'S GOLDEN JUBILEE has been extraordinary. At Dearborn all is ready, including Independence Hall, where the banquet will be held. Edison's Fort Meyers laboratory with its original dynamo and its chemical apparatus is in readiness, and the Menlo Park laboratory, presented a short time ago to Mr. Ford by the Edison Lamp Works, will be faithfully set up.

The international scope of the affair is finally assured with the completed contract for the international radio hook-up, which will

describe the celebration throughout the world. Broadcasting will begin at 8:30 o'clock, eastern standard time.

The program to be enacted at Dearborn is simple in detail. Members of the special party will be brought from Detroit to Dearborn in the afternoon, and their vehicle will be a 50-year-old train. Until dinner time they will visit the various points of interest, such as the typical American Village and the Edison School of Technology and Museum. The banquet will be served in Independence Hall, and following this the group will adjourn to the Menlo Park laboratory, where everything is ready down to the last detail. Steam will rush through the same lines, the same generators will hum, and the same machinery will be ready to run, as was the case in 1879. Here the climax of the celebration will occur, when, in the company of a distinguished gathering in his fa-

miliar laboratory, Edison will reconstruct the famous first lamp and make the connection which will cause it to light. This occasion will be shared with the world outside by means of the radio hook-up. Thus the actual celebration will come to a close.

Throughout the preparation and realization of LIGHT'S GOLDEN JUBILEE there has come to the electrical industry a new understanding of its work, a better vision of what lies ahead. Therefore, the final event of October 21 will be no more to the industry than the end of a period, a preliminary period in which the step to produce light has been taken; what lies ahead is important. Mr. Ford, apropos of the present celebration, has said, "What has gone before is merely a preparation for what is to come." LIGHT'S GOLDEN JUBILEE seems to have opened up the question of how to live better with light now that it is easily obtainable.

When Edison Startled the World

How News of the Incandescent Lamp was First Received

SUDDENLY, in 1878, the world was startled by the news that a young inventor named Edison had announced a new source of light—the incandescent lamp. At the same time this young inventor announced that he had thought out a plan for providing this illumination as cheaply as gas light.

"Nonsense!" cried a large part of the scientific world. "Edison can't do it! Nobody can! Any system of illumination depending upon incandescence is doomed to failure."

But the public spoke differently: "Electric lights instead of gas lights!" cried the people. "Edison says he knows how to do it! Let's wait and see. He'll succeed if anyone can!"

There was a brief lull. Then, at the end of a few months, excitement broke out again. Edison, it was reported, had his lamp—with a platinum burner. So positive were the newspaper statements that the owners of gas stocks became alarmed and there was a flurry among those securities, while shares in the Edison Electric Light

Company rose to fabulous prices.

But it was a premature. The platinum lamp was not the answer. The critics smiled knowingly, feeling that they were vindicated. Public confidence was a bit shaken. A lull settled down, longer than the first. The newspapers, through the early part of 1879, began to ask what was delaying Edison's lamp. Why such a long wait?

The lull persisted—everywhere, that is, except at Menlo Park. Summer passed, autumn crept along. No one knew, even on October 21, what was happening at that laboratory, among the New Jersey meadows.

The revelation to the public did not come until weeks afterward. Edison himself made no move to enlighten the world, either figuratively or literally, at that moment of conscious success. Neither did any of his laboratory crew. They were all too busy. They knew what the situation was, and they could bide their time. Then came another bombshell. On Sunday morning, December 21, 1879, the New York *Herald* electrified its readers by a

spectacular article, occupying an entire page, adorned with sketches, proclaiming Edison's invention of an incandescent lamp with a mere strip of cardboard as its illuminating element—a lamp both practical and simple!

The news was acclaimed by the people. The people, it will be understood, had never quite lost faith in their "wizard." They read now, with eager excitement, that Edison was going to exhibit his new lamp by illuminating the little hamlet at Menlo Park, and that they could all go out there on the approaching New Year's Eve to see the sight. Inquiries were made at the Pennsylvania Railroad offices regarding trains for Menlo Park. The railroad promptly sensed the situation, and when New Year's Eve arrived, it ran special trains to that lonely little station in New Jersey, and three thousand persons tramped about in the snow for half the night, staring in wonderment at the first practical incandescent lamp the world had ever seen. There was no longer any room for

(Continued on page 12)

The Qualities Behind Edison's Greatness

By W. W. TRENCH, *Secretary, General Electric Co.*

ALL of us in the electrical industry should be grateful indeed, to the man who conceived the idea of celebrating in October, 1929, the 50th anniversary of the invention of Thomas A. Edison's incandescent lamp. We should be grateful, if for no other reason than that America—young and old—has been stimulated to study the life, achievements and great personal qualities of Edison.

In addition to his undoubted power of creative thought, what was it in the mind and heart of Edison which enabled him to accomplish what he did? I think that I can answer by naming a very beautiful and useful trinity of qualities—patience, thoroughness and courage. These qualities are all closely related to each other. You cannot study any single phase of the life of Edison, you cannot trace any one of his major accomplishments through the months and years of preparatory study, experiments and developments, without constantly being impressed with the fact that Edison could not have done what he did without an abundant supply of patience, thoroughness and courage.

The beautiful part about it is that we can all of us secure similarly excellent results in our own fields of activity if we develop these same qualities.

When Edison in the very early days of his career was developing himself as a telegraph operator, he never was satisfied just to be able to receive and send messages. He was anxious to become and did become probably the fastest telegraph news receiver of his day. Even here he was not content merely to know what the click, click of the machine meant but delved into the

electrical theory which lay back of the click. He was not simply content to take the news which came

he plunged vigorously into an exhaustive study of the gas lighting industry. Every book, every periodical, and every engineering discussion available was brought to his study and there digested by him. He knew the difficulties, the problems, the accomplishments of the gas lighting industry. One of the men who worked for him, a gas engineer, has stated that in his opinion there was no one who knew more about the manufacture and distribution of gas than did Edison at the time when he took up the development of his incandescent lamp. Edison was certainly thorough in every sense of the word.

Having embarked on the experiments leading to the creation of the lamp, he permitted nothing to interfere with his efforts. Patiently every material which might be used to form the filament of his lamp was investigated and carbonized. Nothing was too small to escape his observation and its development by his associated workers.

Imagine for a moment

the patience, thoroughness and courage in the pursuit of an objective which could result in filling 40,000 pages of his notebooks with notes and comment on the experiments made!

I am reminded of the comment made by an associate of our own. Owen D. Young, when Mr. Young was in Paris working with Dawes on the creation of the first Dawes Plan. Of course, Mr. Young had displayed a marvelous insight into the economic and political forces involved and had shown the highest order of diplomatic ability. Yet when this same associate was asked what quality of all those shown by Young had been the most outstand-



THE FIRST INCANDESCENT LAMP
(From a painting by H. M. Mott-Smith for the G-E calendar)

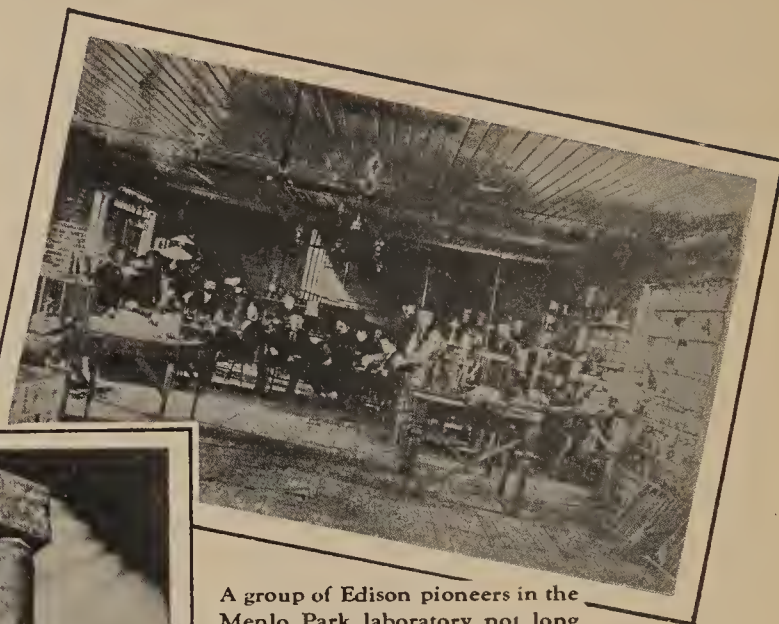
over the wires, which, because of defective equipment, often was difficult to receive. He must needs read every newspaper that he could get his hands on so that when the important news was coming over the wire, he had a background of information on which to base his reception of it!

When Edison decided that he could create an incandescent lamp of high resistance, and when he had concluded that the successful generation of light through an incandescent lamp would replace the gas lighting industry of his day, he did not under-estimate what the gas industry had done or could do. One of his associates has said that

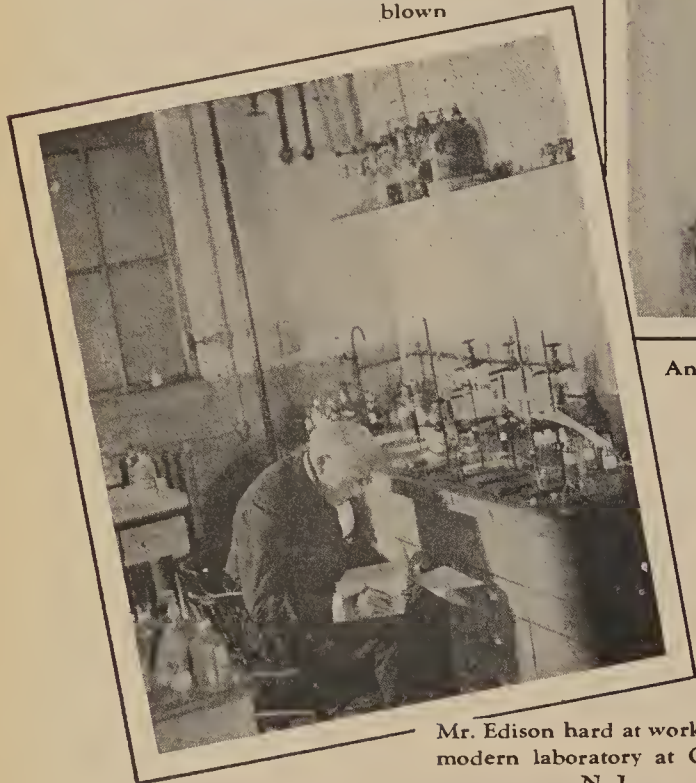
Light's Golden Jubilee



The old glass house at Menlo Park, where the bulb for the first incandescent lamp was blown



A group of Edison pioneers in the Menlo Park laboratory not long after the invention of the incandescent lamp. Mr. Edison is seated in the center



Mr. Edison hard at work in his modern laboratory at Orange, N. J.



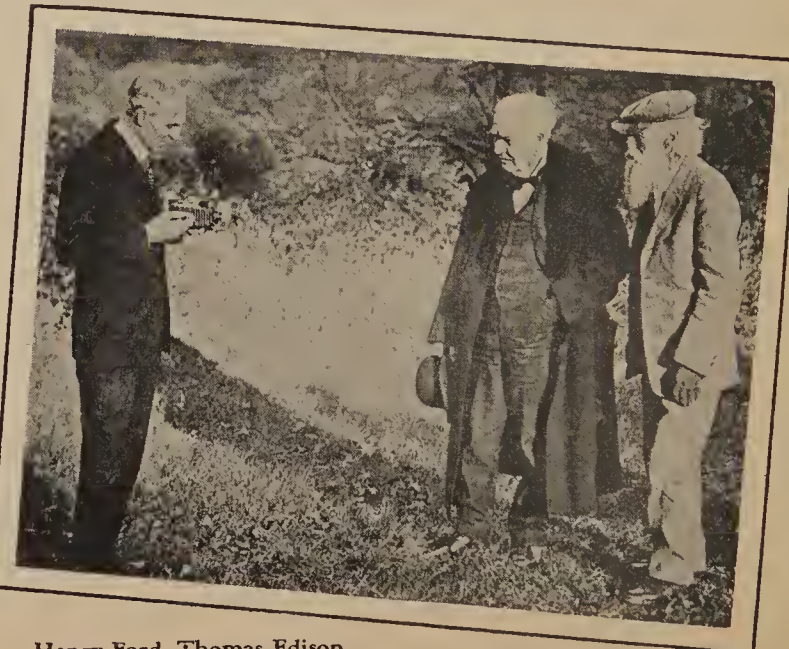
An early Edison "Z" machine built in 1882



Henry Ford and Thomas Edison greet each other



Thomas Edison writing his name on a concrete block at Henry Ford's Edison shrine at Dearborn



Henry Ford, Thomas Edison and John Burroughs

ing and important, the answer came back, "by all means, to me the most astonishing quality shown by Mr. Young was his patience."

It is interesting to find this quality so highly valuable in such diverse pursuits as developing a lamp or reaching a solution of Europe's post-war difficulties.

Finally, when Edison had invented his lamp, developed it to the point where it could be practically used in the lighting system, he did not turn it over to someone else to put to use. Realizing the importance of the generating and distribution system which must lie back of the lamp to make it function, he set to work to create the first central station. He chose, as you all know, the lower end of Manhattan Island for the scene of this phase of his activity. And early in 1880, the famous Pearl Street station started operation under his guidance. The

thing which I should like to emphasize about this particular accomplishment is not the fact that during the one year when he was building the station he took out 82 patents, and laid the foundation for correct practice in the generation and distribution of electric current, but rather that in addition to all this, he supervised with patience and thoroughness the whole installation job. One of his biographers is authority for the following statement by Edison himself: "I saw every box poured and every connection made on the whole job." No detail was too small to escape his observation and supervision. There would be no failure in the operation of that first central station if the thoroughness of Edison could avoid it!

The story of the tremendous efforts put in by Edison in the creation of the storage battery,

which finally bore his name, is an inspiration in itself. From reliable sources, we learn that over 10,000 experiments were made by Edison and his assistants before any distinctly encouraging results were seen. At about this stage in the proceeding, an associate of Edison's said to him, "Isn't it a shame that with the tremendous amount of work you have done, you haven't been able to get any results?"

"Results?" Edison smilingly flashed back, "Why, man, I have gotten a load of results. I know several thousand things that won't work." Words of a man whose courage nothing could daunt.

It is interesting also to learn that it finally took 50,000 experiments before Edison had made a storage battery worthy of his name.

Not one of us can fail to be inspired to do a better job by the study of what this man has done.

Stocks vs. Bonds

President Swope Makes Some Pertinent Comment on This Question

IN August an employee in one of the Works of our Company wrote to President Swope, asking why it was not the policy of the General Electric Company to assist employees in the purchase of shares of G-E stock by means of deductions from wages. To this letter President Swope replied at considerable length, explaining the Company's reasons for not doing so. Because the question is one of interest to every employee, the letter to President Swope and his reply are here reprinted.

To President Swope

August 14, 1929.

Mr. Gerard Swope

Dear Sir:

I am an employee and shareholder of the General Electric Company and I take the liberty to write you regarding the Company's common stock.

I have been employed by the Company for over eight years and it always has been my ambition to own a few shares of General Electric stock. I have watched its growth with amazement and within the last few weeks I have been able

to buy three shares outright and I am going to hold on to them like grim death, as I realize their value through the years. Now, sir, I know of other employees and doubtless there are thousands who would like the opportunity to own a few shares, but who have not got the ready cash to buy at present prices. The present policy of other great companies, such as the Pennsylvania Railroad and U.S. Steel, is to take their employees into partnership; I think it creates a better feeling and each shareholder becomes a booster. Now, sir, I wish to suggest that you use your influence to make it possible for G-E employees to subscribe for one or two shares of common stock, the money to be taken out of wages or salaries, weekly or monthly, under certain conditions, and I think next spring would be a good time to start as I presume the present stock will have been split up by then and the present series of bonds be paid for.

I hope you will look kindly on my suggestion as I would like to get two more shares. I remain,

Sincerely yours,

President Swope's Reply

September 19, 1929.

My dear Mr.—:

On my return I found your letter of August 14, which had been acknowledged by my secretary in my absence, but pressure of other matters has prevented my earlier reply to your question of the Company's offering its employees the privilege to subscribe to General Electric common stock through the medium of payroll deductions.

This is a question that has been given careful consideration from time to time and is a matter in which I personally am greatly interested. I therefore am glad to reply to your letter quite frankly.

In the first place, you no doubt know that some seven or eight years ago the Company offered 50,000 shares of its common stock to employees at a price that netted about \$112 per share (this was the old stock). Shortly thereafter the market price went below the subscription price and a number of our employees being nervous in regard to their subscriptions, cancelled them. Then still later, the employees

(Continued on page 10)

Our Company in the Eyes of a Great Editor

ON October 1 Arthur Brisbane, distinguished editor and author of the column "Today" which is syndicated to newspapers from the Atlantic to the Pacific and from Canada to the Gulf of Mexico, was the guest of the Schenectady Works Council. He attended the meeting of the Works Council with President Swope—also a guest of the day—and spoke briefly to the assembled councilmen of his views on modern industry.

President Swope addressed the councilmen before introducing Mr. Brisbane. He stressed the favorable outlook of business in general at the present time, and told of a number of very large orders which the Company has recently secured. Following his discussion of business conditions, he touched on the value of the Works Councils and other employees' representation plans which function in the various Works of our Company. He emphasized the fact that through these councils the employees are able to bring matters to the attention of the management, and the management, also, is able to bring matters to the attention of the employees. Recent concrete achievements of the Schenectady Works Council include the gradual introduction of the check and direct deposit methods of wage payment, the recent extension of vacations to people in the Company after a certain term of service, the interest in the Suggestion System and the Schenectady Relief and Loan Plan.

President Swope concluded by pointing out that teamwork is the key to success, and that every man who takes pride in his work may be proud of the progress of the General Electric Company, of which "we are all a part."

Mr. Brisbane was then introduced by President Swope. Mr.

Brisbane, who had been greatly impressed by what he had seen in the Works, compared industry today

tory will make you forget all about ordinary human beings in your admiration of scientific power.

"Talk with Dr. Coolidge, Dr. Langmuir and Mr. Alexander, of that scientific laboratory, and you will know how Job felt after his conversation with the Almighty.

"Like him, you will lay your hand upon your mouth determined to talk no more, only listen.

Breaking Down Molecules

"Dr. W. D. Coolidge tells you that the bright, white flame used in certain welding is obtained by breaking down the molecule of hydrogen, which is H be-

fore you break it down. After the breaking, it is H plus H, meaning that one hydrogen molecule contains two hydrogen atoms.

"After you have torn them apart, by use of high temperature, one atom rushes toward the other, like a frantic calf separated from its mother, and the hydrogen molecule is reformed. That rush produces the intense white heat that will fuse any metal, even aluminum, which can not be fused otherwise.

"That heat is used, among other purposes, to cover with a fine layer of melted copper certain parts of an electric refrigerator. That seems humble work for a torn-apart molecule, like putting Hercules to dry dishes.

"But that is the finest thing about the laboratory. Its learned men devote their time to pure science, and the result is made useful to millions of human beings. You, perhaps, cannot digest the quantum theory, figure out ergs, measure space in parsecs, or think in the fourth dimension. But you can digest food protected by perfect refrigeration.

"Tearing the hydrogen atom away from its brother, two little families of electrons cruelly separated, with their positive and nega-



Mr. Brisbane Visits with Dr. Langmuir in the Research Laboratory

with what it was many years ago, and also brought out the importance of such discussion mediums as the Works Council. In closing, Mr. Brisbane paid a glowing tribute to Thomas A. Edison and his labors for the rest of mankind. "And the glorious thing about it," he said, "is that the way is open for any one of you to do the same. Indeed, you of General Electric have facilities and equipment for such work, of which Edison could only dream."

That Mr. Brisbane was impressed by what he saw in Schenectady was further indicated on October 3 when his famous syndicated column, "Today," was devoted entirely to the Schenectady Works and the Research Laboratory. It is estimated that this column was read by more than 20,000,000 people. Because of its interest to G-E folks, it is reprinted in part as printed in the Hearst newspapers:

"Schenectady, October 2.—Part of seeing America first should include a visit to the General Electric plant in this city. The manufacturing establishment, employing about 30,000 men and women, will increase your interest in human beings, and the work they do.

"An hour in the research labora-

tive electric charges outraged, means utilizing the power locked up in the molecule.

"When science goes further, tearing the atom apart, using the force that unites the electrons in their little solar system, Niagara's power will be out of date. You can hold between thumb and forefinger atoms enough to transport you to China, or the moon, if you could use the cohesive power of their electrons.

"Dr. Coolidge invented that method of producing intense heat, by separation of the atoms. But he does not tell you so. He and his associates, Dr. Irving Langmuir and Dr. Whitney, chief of the laboratory, talk as impersonally as though the wonders about them created themselves, and they had nothing to do with it. Science and modesty are twins.

Bombarding With Atoms

"If you doubt the reality of radio-activity, the bombardment of space by electronic bullets, fired from atoms breaking down, visit that laboratory. You may see substances of various kinds, crystals, salts, ore, subjected to bombardment, in the darkness, flaming with mysterious colors, and retaining their brilliancy for hours afterward.

"And by arrangement with electric wires you may actually count and hear the electrons discharged from a tiny speck of radium, enclosed in lead an inch thick in all directions.

"A rifle bullet could not penetrate that lead. But the electrons, of which 1000 millions would not be noticed in the corner of your eye, go through the lead and on into space. It might be explained that the radio electrons pass un-

obstructed through the electrons in other atoms as a dancer goes through a crowded ball room. But why give anybody a headache?

"Near the laboratory, young ladies work, in the manufacturing department, with fine gauges, testing to within one five-thousandth part of an inch various small pieces of machinery. They wear pink dresses, fancy shoes, shiny silk stockings, permanent waves, no sleeves, nice sunburned arms, and they smile as they work.

"Mr. Eveleth, vice president of General Electric, tells you that testing with gauges is such monotonous work men cannot stand it. Women do not object to it, and their delicacy of touch makes them do it better than men.

"Women's ability to endure monotonous tasks is due to their having taken care of children, on this earth, for a million years.

"Nothing more monotonous than taking care of children. No man can stand it, more than a few minutes.

"In the giant turbine factory you study the making of power-producing machines, sent all over the world. Steam rushes through the turbine, striking against wheels made like the wheel of a windmill. The steam striking the wheels produces power, as the wind does.

"One turbine now building goes to Henry Ford. It will produce 150,000 horsepower, after steam has been transformed into electric power for convenient distribution, and cost one and a half million dollars. That great engine will produce millions of little Ford engines that will haul Americans billions of miles.

"A great American organization is General Electric, of which

Gerard Swope is president, with Mr. Young, 'the Young plan,' chairman of the board. It employs thousands of men, pays about \$150,000,000 in wages annually, making many things, from electric locomotives to lamps. . . .

"At the moment, General Electric is making the largest waterwheel generators ever manufactured anywhere.

"For whom do you suppose are these giant producers of hydro-electric power manufactured?

"Not for England, France, America, or any 'regular' country, but for Soviet Russia.

"Perhaps Wall Street, angry because Sovietism, would not pay the Czar's and Kerensky's debts, under-estimates modern Russia.

"A nation that knows enough to import the best American, Swedish and German engineers, and finds ways to buy the best, most expensive machinery, still retains the power of Peter the Great, whatever you may think of its government. And that government, by the way, is Russia's business, not ours."

Safety Contest

THERE have been few changes in the positions of the various Works since last month in the Inter-plant Safety Contest. Two close contests are reported. Bloomfield is leading Fort Wayne by 0.05 and Oakland is leading Pittsfield by 0.10. The plants stand as follows, an asterisk denoting improvement over the previous month.

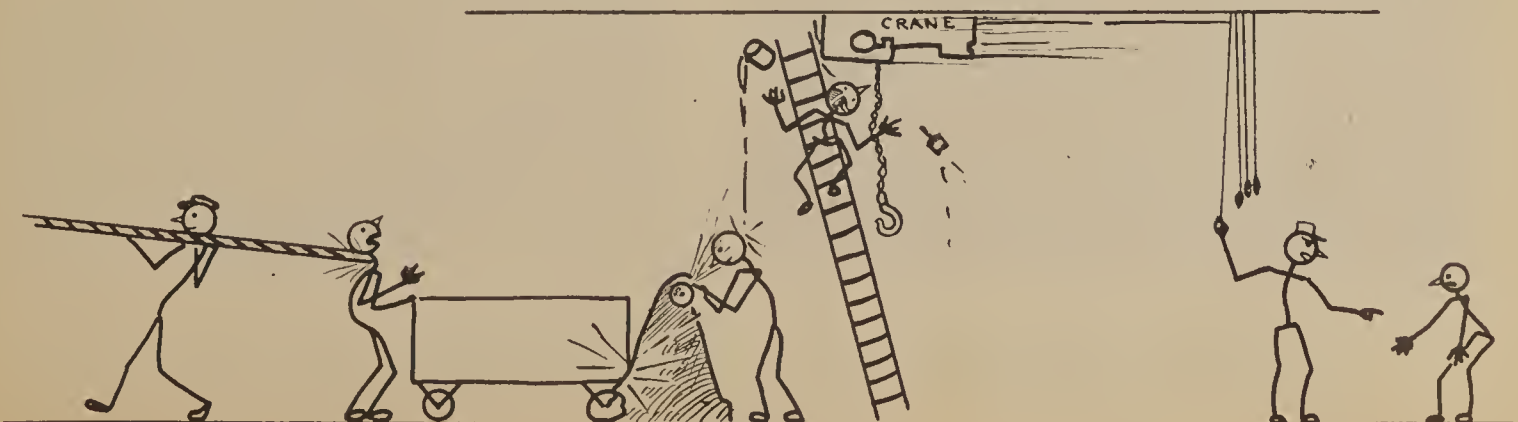
DIVISION 1

West Lynn
York
*Bridgeport
*Philadelphia
Bloomfield
Fort Wayne

DIVISION 2

*Erie
Oakland
*Pittsfield
*ALL PLANTS
*River Works
*Schenectady

New Kensington

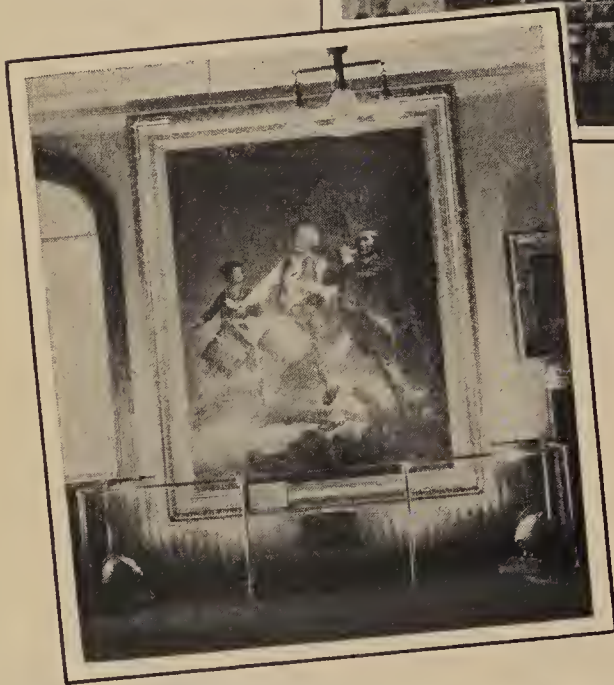


Story Without Words

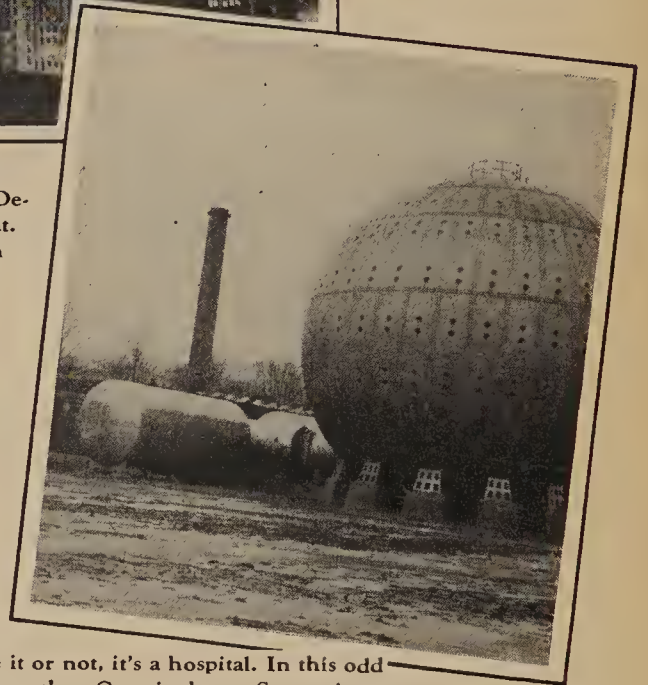
Here and There with the G-E Camera Man



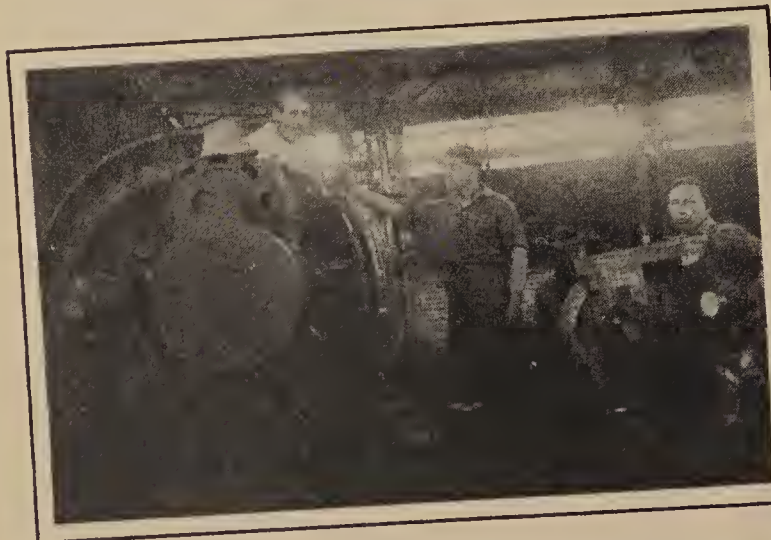
The Graf Zeppelin passing over Detroit in its world-circling flight. The beams of light playing on it come from the eight 36-inch G-E searchlights on Union Trust Co. Bldg., just behind the large building in the foreground



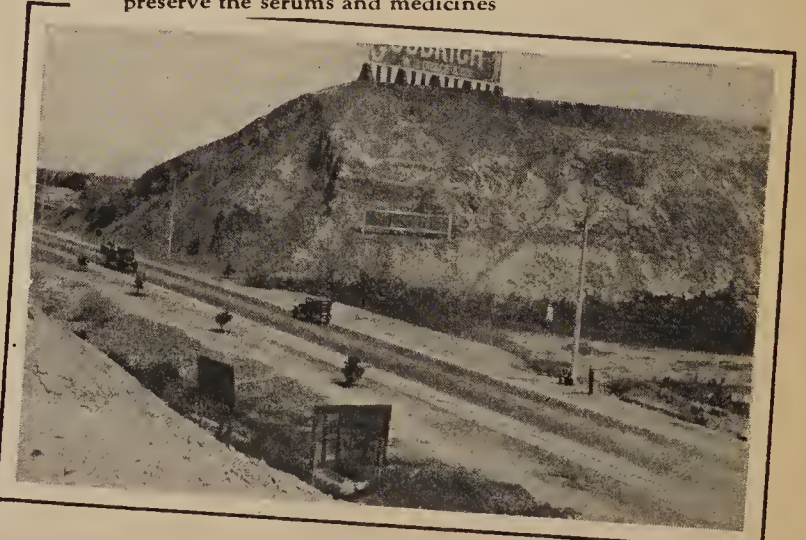
"The Spirit of '76", in the Abbot Public Library at Marblehead, Mass., is now properly lighted by G-E floodlighting projectors



Believe it or not, it's a hospital. In this odd building, the Cunningham Sanatorium, Cleveland, where diabetes and pernicious anemia patients are given compressed air treatment, G-E refrigerators are used to preserve the serums and medicines



J. R. Nowell, center, G-E erecting engineer, supervising the rebanding of an armature in Belgian Congo



The modern concrete highway in Peru between Lima and Callao, recently equipped with G-E lighting units, cuts through this artificial hill built of countless small bricks by the Incas, ages before Europeans set foot in this country

Around the World with General Electric

Denver

From Denver comes a story of a housewife who came to the aid of an army bombing plane. The huge plane, a Keystone Pirate bomber, had visited Denver with seven other planes and a Fokker transport ship. It did not take off with the others because one of its motors was not functioning properly. An hour and a half later it was discovered that a defective magneto was the cause of the trouble. The only spare magneto was on one of the ships, now more than 100 miles away. The officer in command called the G-E station at Denver, KOA, and within three minutes the request for the spare magneto was on the air. Mrs. J. C. Traw, of Flagler, Colo., 125 miles east of Denver, happened to be listening in while doing her housework, and heard the message. She also heard the answer from the planes. But when the request from KOA was repeated, she knew that the answer from the plane had not been received. So she phoned KOA, reporting that the plane had heard and was returning to Denver with the magneto. Army officers called this one of the most unusual signal services ever rendered the air corps by a private radio station.

Georgia

The far-famed football team of Georgia Tech, and the other athletic teams of that institution, are to have an electrically lighted field. An order was recently placed by the Georgia Institute of Technology Athletic Association for 48 G-E Type L floodlighting units, to be equipped with 1500-watt Edison Mazda lamps. These lighting units are to be installed on six towers, 90 feet high, around Grant Field.

Boston

The Industrial Dept. of the Boston office reports the sale of an earth inductor compass, one of the recent developments of G-E laboratories, for one of the sport biplanes manufactured at Hills Grove, R. I. The plane was built to take part in Ford's Flying Circus this month.

Europe

All Germany, Austria and Great Britain had the opportunity of hearing America's welcome to the crew of the Graf Zeppelin on August 30, when the giant air-liner landed at Lakehurst after circumnavigating the globe. The noisy welcome and the colorful descriptions by radio reporters were carried across the Atlantic by the G-E short wave stations W2XK and W2XAD at Schenectady. In Germany and Austria the broadcast was interrupted at frequent intervals by interpreters who translated the account into German. The South German Broadcasting Co. at Stuttgart sent a radiogram to Schenectady stating, "Zeppelin arrival relay great success. Millions of German, Austrian and Swiss radio listeners are enthusiastic and thank you heartily." The London correspondent of the *New York Times* said, "It was the finest trans-Atlantic broadcast ever received here. For two hours the broadcast came over with crystal clearness."

Philippine Islands

Now when we are celebrating Light's Golden Jubilee, it is interesting to note that the developments going on in the Philippine Islands parallel the early growth of electric lighting in this country. Small units, housed in most cases in old buildings, are being installed all over the islands. The Capiz Electric Light and Ice Plant on the Island of Panay, a typical Filipino power plant, is at present installing a 100-hp. unit, consisting of a Fairbanks, Morse & Co. Diesel engine direct connected with a G-E a-c. generator. The building housing the plant is probably 80 or 90 years old. Last year some 17 similar units were installed, and 15 more have been installed so far this year. With the advantages of modern engineering skill, electric lighting in the Islands should advance as much in the next ten years as it has during the past 50 years in this country.

Cleveland

In this day of science, electric refrigeration has penetrated into many strange places, and one of the most unique of these is the Cunningham sanitarium for the treatment of diabetes, pernicious anemia and kindred diseases at Cleveland. The sanitarium itself is a steel tank 64 feet in diameter, and is approached through an administration building located at one side. Patients are required to spend five days in the ball-shaped tank, which is filled with compressed air. The tank is five stories high, and the interior is luxuriously appointed. Trays loaded with butter, milk, and desserts for the patients are prepared in the kitchen of the administration building and placed in a special G-E refrigerator on rubber-tired carriers. The refrigerator is wheeled from the kitchen into the dining hall of the steel sphere, where patients are served directly from the refrigerator. Thus the food is continuously protected through the changes of temperature. Serums and hyper-bromite used to treat the patients must be stored and kept at a low temperature, and the laboratory has also been equipped with refrigeration for this purpose.

Schenectady

Red lights, that used to figure so prominently in political parades, and Fourth of July celebrations, are now commanding the serious attention of research laboratories because of their growing use as fog beacons and floodlights in aviation and navigation, and for their widespread use in advertising. The G-E research laboratory has developed a novel light called the new Cooper Hewitt Neon tube which gives a red-orange light with an efficiency that approximates that of a 100-watt Mazda lamp. This new tube, because of its hot cathode, can be operated on ordinary lighting circuits. It is superior for illuminating purposes to the cold cathode tube now used so extensively in sign lighting.

Swope Loan Fund Helps Five to College

IN addition to the three young men who received Steinmetz Scholarships this year and the 21 young men who have been granted loans from the General Electric Educational Loan Fund, five other G-E employees or sons of G-E employees have been helped to continue their education through the Gerard Swope Loan Fund at Union College. This fund was established a few years ago by President Swope and is administered jointly by the G-E Education Committee and Union College. G-E employees of any Works or office or their children are eligible to receive loans to carry on their studies at Union College in Schenectady. This year the loans were granted to Rudolph Strobel, Erie Works; Casimier Bielecki, Julius Emspak, Stanley E. Bulow and George F. Craig, Schenectady Works.

Rudolph Strobel, a graduate G-E apprentice and calculator in the Railway Motor Test at the Erie Works, is now pursuing his studies in the electrical engineering course at Union College. Mr. Strobel's father is also a G-E employee at the Erie Works. He has been employed in the Grey Iron Foundry as a moulder for the past 10 years. Young Strobel was graduated from St. Mary's School in Erie in 1922 and entered the Apprentice School at the Erie Works the same year. After finishing the four-year course he decided to continue his education. But in order to get into college, he returned to high school for the necessary entrance credits, and graduated in 1928. Mr. Strobel was active in athletics both at school and at the G.E. He has taken great interest in the affairs of the Apprentice Alumni Association, and was a member of several clubs. In college he expects to specialize in electro-chemistry with a view to becoming a research engineer.

Casimier Bielecki, another G-E employee and son of a G-E employee, graduated from the Schenectady High School in June, 1928, and entered Union College the following fall. He completed his first year in the B. S. in Chemistry course, successfully, and this loan

makes it possible for him to continue. Mr. Bielecki is employed in the Office Service Dept., Schenectady, and his father is a punch press operator, Bldg. 17, Schenectady Works. Young Bielecki is especially interested in chemistry and mathematics, and intends to continue after college in research work.

Julius Emspak, a G-E apprentice graduate on leave of absence from the Turbine Tool Design Dept., Schenectady Works, entered Union College this fall in the pre-law course. After he completed his apprentice course in 1927, he entered the Schenectady High School, where he finished the four-year course in two years, with his scholastic average well over 90. Mr. Emspak will study law after leaving Union College.

Stanley E. Bulow, employed in the Office Service Dept., Schenec-

tady Works, was graduated from the Schenectady High School in January, 1929, and is now studying in the A. B. course at Union College. As Mr. Bulow's father is an invalid, it is highly improbable that he would have been able to enter college if this assistance had not been given him. Mr. Bulow is interested in writing, and intends to prepare himself for advertising and publicity work.

Francis H. Craig, a graduate of the Richmond, Vt., High School, is studying in the electrical engineering course. Mr. Craig after leaving high school entered the Radio Test Dept. at the Schenectady Works, where he worked until leaving for college this fall. He was graduated from high school with excellent grades, his special interests being mathematics and history. He also intends to take up research work after leaving college.

Stocks vs. Bonds

(Continued from page 5)

who had retained their subscriptions completed the payments and received the stock, but when the market price went up nearly all, and especially the moderate investors for whom the plan was advised, sold their holdings. No one could find any fault with this. The unfortunate part, however, was that some of these people, who took their profits, invested in other securities which they thought would go up and in many instances were disappointed; in fact in some cases that came to my attention they actually lost their entire savings.

Of course the thought that lay in back of the plan, which I think you appreciate, was primarily to have our employees, who were devoting their lives to the work of the Company, interested financially in the success of the Company. This of course would mean retaining their interest even though the market price should go up, so when they sold their holdings and took their profit it defeated this object entirely.

The foregoing shows how the moderate investor in stock regards market fluctuations, with nervous-

ness at declines and desire to take profit on advances. To remove this nervousness and temptation from the minds of the employees, the General Electric Employees Securities Corporation was organized, 25 per cent of whose funds more or less shall be invested in General Electric stock and the balance of the investment in stocks of public utility companies. This gives to the company a cross section of the electrical industry as a security. It gives to the moderate investor an opportunity to invest with the assurance that his principal is intact and will not be subject to market fluctuations; to secure his investment back at any time on due notice; with the income assured and interest paid at regular periods and at a uniform and attractive rate. He furthermore has the knowledge that the G.E. Employees Securities Corporation is the largest holder of General Electric stock, as no individual or institution, banking firm or otherwise, holds so large a number of shares in our Company—and has a direct interest in its affairs, as the employees are represented by a number of their associates who are members of the

Board of Directors. From the response and success of the G.E. Employees Securities Corporation, we might feel that this object has been obtained, as upwards of 34,000 employees now have invested over \$36,000,000 in bonds of this Company, with a return to them of 8 per cent, paid semi-annually.

Employees, furthermore, may acquire G.E. Employees Securities Corporation bonds by weekly or monthly deductions from their pay, and when these savings have accumulated sufficiently they are then in position to buy a share or more of General Electric stock if that seems both wise and desirable to them at that time, and then continue their weekly or monthly savings in G.E. Securities Corporation bonds.

I have written you possibly at greater length than necessary but as the question has been raised several times I am glad to have the opportunity to write you fully.

With best wishes, I am,

Sincerely yours,

GERARD SWOPE.

Safety Booklet Issued

THE General Safety Committee of the Company has issued a new booklet of safety rules that should be of vital interest to every employee. It is the result of the findings of the committee in the investigation of accidents throughout all the plants, and a careful reading should not only help each employee in avoiding hazards, but in discovering hazards heretofore unrecognized in his work.

The committee has compiled some interesting information concerning the booklet. Approximately 5½ tons of paper were used in printing the 125,000 copies. If the pages and covers were laid end to end they would extend in an air line from Philadelphia to Richmond, Va., from Erie to Toledo, from Fort Wayne to Milwaukee, Wis., or from Schenectady to Portland, Me. If each page were printed separately, 3,500,000 individual impressions would be required. And even though they were run through on a huge cylinder press making

hundreds of impressions each minute, it required approximately 100 hours to print the entire edition.

Have you received your copy?

Fire Chiefs Meet

A MEETING of plant engineers and fire chiefs of the various Works was held at the headquarters of the Associated Factory Mutual Fire Insurance Companies, Boston, Mass., on October 17 and 18, to discuss the constantly pressing problem of fire hazards and to review the most effective apparatus available for the protection of our plants.

It will be attended by about 40 Company representatives, including: Schenectady Works, L. R. Beers, T. J. O'Connor, A. W. Nisbet; River Works, J. G. Trudinger, Z. N. Lord, L. Perry; West Lynn Works, P. P. Fenaux and J. L. Clifford; Pittsfield, P. W. Powers and W. E. Crossett; Philadelphia, A. L. Reidl and W. C. Owens; Fort Wayne, Robert Wylie and Paul Grimme; Bloomfield, W. Chapman and A. H. Sturtevant; Erie, H. C. Mitchell, W. H. Lytle and C. F. Schnur; Bridgeport, H. A. Hagadorn and J. J. Farmer; York, C. J. Sharp and E. L. Bamer.



Niagara Falls at Night

Government Insurance
Available for Veterans

IT is now possible for veterans who served in the military or naval forces during the World War, to receive on application to the Veterans Bureau and payment of the initial premium, Government Life Insurance in any mutiple of \$500, not less than \$1000 nor more than \$10,000.

Any veteran of the World War who has heretofore applied or has been eligible to apply for this insurance may now take it out provided he is in good health and can furnish evidence satisfactory to the director of the Bureau.

The government is offering seven plans of insurance to meet the needs of the veteran. The policies are based on the net rate and do not include any charge to cover the cost of administration or total permanent disability provision.

Detailed information may be obtained at any regional office of the Veterans Bureau. Medical examination is free.

Edison Startled the World

(Continued from page 2)

doubt. The lamp was there. It could be observed, and was observed, for weeks and weeks afterward. A year later an even larger display made of Menlo Park a veritable fairyland.

To Edison it had always meant one thing only—universal electrical illumination. Electric lights in place of gas lights. Electric lights in the homes of people—from the very first he had put them into his own home, into the homes of his assistants, and into Mrs. Jordan's famous boarding house, just down the road from his laboratory. Not many, even among his associates, had that vision as completely as he had it.

Now, as he approaches the fiftieth anniversary of that day in October when his efforts were crowned with success, the man Edison can know that his goal has been reached. The world now is lighted electrically! October 21, 1879, will always be linked in history with Edison's greatest achievement.

Death Claims Paid, Disability Claims Allowed
During August, 1929

Death Claims								
Years	Date of Death		Employees	Age	Bene- ficiary	Free Ins.	Bene- ficiary	Add'l Ins.
<i>Schenectady Works</i>								
6	Apr.	21	Nazzareno Civisca.....	32	Wife	Yes	Wife	Yes
12	June	2	Alfred S. Jones.....	68	Wife	Yes	Wife	Yes
2	July	28	Daniel A. Lawlor.....	29	Mother	Yes	Mother	Yes
19	July	31	Martin J. McAuliffe....	51	Wife	Yes	Wife	Yes
9	Aug.	3	Theodore H. Seehase....	54	Wife	Yes	Wife	Yes
6	Aug.	7	George J. Hurley.....	45	Brother	Yes	Sister	Yes
29	Aug.	10	George L. Hartman.....	67	Wife	Yes	Wife	Yes
<i>River Works</i>								
7	Aug.	19	John Dumblauskas.....	36	Wife	Yes	Wife	Yes
<i>West Lynn Works</i>								
24	Aug.	16	Nicholas Dooley.....	36	Wife	Yes	Wife	Yes
<i>Pittsfield Works</i>								
16	Aug.	1	William G. Murray.....	55	Wife	Yes	Wife	Yes
<i>Erie Works</i>								
7	Apr.	3	Sebastiano DiMaria....	42	Wife	Yes	Wife	Yes
9	July	21	James T. Sargent.....	37	Wife	Yes	Wife	Yes
<i>Ft. Wayne Works</i>								
5	June	16	Hugh L. Collis.....	44	....	....	Children	Yes
8	June	29	Leila J. Denis.....	34	Sister	Yes	Sister	Yes
<i>Merchandise Dept.</i>								
5	June	28	Calvan S. McCarthy....	31	....	....	Wife	Yes
8	July	22	George H. Clinton.....	46	Wife	Yes	Wife	Yes
5	Aug.	2	William J. Costello.....	26	Mother	Yes	Mother	Yes
<i>General Office</i>								
17	Aug.	1	Armistead K. Baylor....	61	Wife	Yes	Wife	Yes
<i>New England District</i>								
29	July	24	Harry W. Brown.....	55	....	....	Wife	Yes
<i>New York District</i>								
2	July	26	Herbert Farrow.....	44	Wife	Yes	Wife	Yes
29	Aug.	26	Alfred C. Dougall.....	60	Wife	Yes	Wife	Yes
<i>Atlantic District</i>								
3	Aug.	14	Robert B. Hall.....	25	Mother	Yes	Mother	Yes
<i>Australian G E Co.</i>								
3	June	24	Matthew C. Hayles.....	27	Mother	Yes	....	
<i>Incandescent Lamp Dept.</i>								
5 mos.	June	25	Martha Sullivan.....	31	Husband	Yes	....	...
12	July	27	George Warner.....	49	Sister	Yes	Sister	Yes
12	Aug.	17	Wm. J. Conboy.....	55	Wife	Yes	Wife	Yes
9	Aug.	28	Frank Gavin.....	43	Wife	Yes	Wife	Yes

	No.	Free Insurance		Add'l Insurance	
		Amount	No.	Amount	
Claims paid month of August, 1929.....	24	\$27,500.00	25	\$58,000	
Claims paid previously reported 1929.....	242	278,437.41	225	359,500	
Total claims paid 8 months, 1929.....	266	\$305,937.41	250	\$417,500	

Disability Claims				
Years	Date of Grant	Employees	Age	Add'l Ins.
<i>Schenectady Works</i>				
27	Aug. 28	William L. Winegard.....	56	Yes
<i>River Works</i>				
6	Aug. 13	Henry Burns.....	47	Yes
10	Aug. 20	Frederick Alvarez.....	44	Yes
Disability claims granted August, 1929....				
			3	\$5,000
Disability claims previously reported, 1929				
			34	54,000
Total disability claims granted 8 mos, 1929				
			37	\$59,000
Total Death and Disability Claims paid since Jan. 1, 1920				
				\$5,287,315

GIRLS' SECTION

Irene Meyers Elected President of Elex Club

THE year began very auspiciously for the Elex Club, for there were 235 at the initial banquet held in Bldg. 16-2 on September 24. This marked the beginning of the club activities for the year 1929-1930. An attendance of nearly half of the membership augurs well for the success of future activities.

Four long tables were necessary to accommodate the large number of girls present. The tables were lovely with decorations of flowers, candles, and trailing vines of smilax, and at each place was a gay handkerchief caught with a lacy paper frill to represent a corsage. Before long Irene Meyers was seen coming around with her arms full of handkerchiefs, making exchanges, "because," she said, "no matter what they have, women are never satisfied—they always want something else."

As the dinner progressed, the G-E Club Orchestra entertained with some excellent music. When it was certain that every one had her fill, not excepting the ice cream pie, President Hilda Walda assumed charge. Every effort was made to have it short and snappy. The first to speak were Marie Smith and Mary Thomas, who attended the Industrial Girls Conference at Camp Gray, Saugatuck, Mich., this summer as representatives of the club. Their story of the conference activities was well told, and they feel that through their experience they have gained a better insight into club problems and their solution. Following this the president made an announcement of great interest to the members, namely, the weekend masquerade party to be held at Camp Yarnelle on October 12 and 13.

Esther Moll then introduced the most important feature of the evening—the election of officers

for the ensuing year. Every person on the ticket was considered capable of handling the office for which she was nominated, but it was

the fact that the treasury shows a balance on hand of \$620.63. Mr. Hockett commented on the increased growth of the club and the consequent greater opportunities for service to the girls of the plant. Miss Amson, in her remarks, brought out the fact that the other clubs in the city are very much interested in Elex and seem to consider it a leader.

As a lighter part of the program, the next feature was a group of readings by little James Poinsette, followed by some musical readings by Marie Josephine and Virginia Allen. All are pupils of Virginia Philley-Withey Studio.

At last came the moment when the results of the election would be announced.

There was a great silence and then a storm of applause. Irene Meyers had won the presidency! Hilda Walda would continue as vice president. Mary Thomas would bring the spirit of the summer conference into the club as secretary; while Florence Case would be treasurer. And Louise Hilger would be the voice of the Elex Club at the council of Fort Wayne Industrial Clubs.

The new officers bring to the club a wealth of experience and a keen desire to help the club increase its value to all the girls of the G-E Plant.

Helen Stahl Catches Big Fish

AFTER looking at the accompanying picture we would say that Helen Stahl is some fisherman! Helen is a clerk in the Meter Dept., Bldg. 26-4. It was while spending a week's vacation at Jimmerson Lake that she caught a 25-inch pike. Irene Meyers and Della Knoche, both of the Meter Dept., were Helen's companions at the lake but for some reason they had no luck.



Elex officers for 1929-30. Front row: Hilda Walda vice-president; Irene Meyers, president; Mary Thomas, secretary. Standing: Florence Case, treasurer, and Louise Hilger, representative, council.

necessary for the club members to make their choice. While the ballots were being counted, a few of the guests were called upon for remarks. Mr. Goll, who had recently spent a vacation at Jackson Lake Lodge, Wyo., told how it felt to be roughing it at a "dude" ranch in the great West, and also expressed the desire of the management to co-operate with the club in every way possible. Mr. Barnes gave some enlightening facts on history of the Elex Club, which now has a membership of 525. Another current item of interest is



Helen Stahl and the 25-inch Pike She Caught in Jimmerson Lake on Aug. 31



Nellie Jump Ready for the Cave of the Winds

Girls In Bldg. 21 Picnic

IMMEDIATELY after work on September 16 the girls of the Wage Rate, Industrial Service, Employment and Medical Depts., and the personnel girls drove out to the Elks Country Club and greatly enjoyed a picnic. After the last crumb of the delicious supper had disappeared the girls played games, chatted and had an all-around good time.

Annette Bauman, Esther Greble, Madolyn Fisher, Suzanne Benanti, Grace Phillips, Irene Fox, Ether Moll, Selma Hoffman, Helen Hall, Margaret Nash, Henrietta Hohman, Minnie Fryback, Lois Miller, Luella Bullerman and Mrs. Luella Maisch Geiger, a former employee of the Employment Dept., made up the group.

Trans. Dept. Enjoy Wiener Bake

THE balmy days of fall have inspired many to spend their evenings in the open. So on September 21 a group from the Transformer Dept., Bldg. 26-2, went out to the Stelhorn bridge, south of the city, for a wiener bake. Everyone enjoyed the food in the open air so much that they lingered to play games around the blazing campfire until it was quite late.

Those present to participate in the fun were: Flossie Bailey, Barbara Monan, Lula Heckman, Gladys Eagleson, Alma Bork, Lanora Wilkinson, William Bailey, Jack Monan, Morris Peters, Clarence Thompson, Paul Smith, and Ray Evans.

Material List Office Wiener Bake

THE employees of the Material List Office, Bldg. 18-5, decided to have a wiener and marsh-

mallow bake, so on September 25 they gathered at Foster Park. They had a hilarious time toasting their own wieners and marshmallows and when their appetites had been appeased they gathered around the campfire and sang songs and told stories.

Included in the group were: Mr. and Mrs. Don Schultz and daughter, Mr. and Mrs. Boyd Fisher and family, Mr. and Mrs. Royal Roeger and son, Mrs. Winifred Hormel, the Misses Doris Rhodes, Thelma Clements, Doris Dailey, Esther Wolf, Dorothy Crawford, Frances Shealy, the Messrs. Ernest Kern, Harold Dalman and Paul Albersmeyer.

Girls' Volleyball

IF enough girls for at least two teams want to play volleyball, we will make provisions for them. Last spring the Transformer Dept. girls organized two teams and played once a week. If you want to play send your name, the number of the building and floor where you work, and your foreman's name to Esther Moll, Bldg. 21, mentioning at what time of the evening you would like to play and on which day of the week. It will probably be after 6:30 p.m. because the gymnasium will no doubt be occupied every evening immediately after work.

Full Steam Ahead for the Girls' Basketball Season

PRACTICE for the 1929-1930 G-E girls' basketball team will begin in a few weeks—probably the



Nellie and Margaret Viewed the Falls From Here



Margaret Walford, Also Ready

first week in November. If you have ambitions for making this team send your name, building and floor, and name of foreman, to Esther Moll, Bldg. 21, so that you will be notified when practice begins. Any girl at the plant is eligible to try out.

If you have any questions, send them in when you register. Harry Spahr will coach again this year.

Girls' Gymnasium Class

HAVE you joined the girls' gym class? If not, why not? It does not cost you a cent (of course you furnish your own costume), is lots of fun, and probably will give you just the kind of exercise you need.

Send your name, building number and floor, and foreman's name, to Eddie Harkenrider, telling him you want to attend. Then just go to class the next time it meets. Or go to class first and then send in your name. After class, you take a shower and go away feeling as if you could move Bldg. 26 to another location if you wanted to.

Weddings

Ruble-Kline

On August 29 the marriage of Pauline Kline and Allen J. Ruble was solemnized at Winona Lake, with Rev. H. G. Howe, of Huntington, officiating. Both Mr. and Mrs. Ruble are in the Small Motor Dept., Bldg. 4-4.

JUNIORS' PAGE

Dear G-E Juniors:

Which month of the year do you like best of all? I believe I like October best. It's such fun to walk through the parks and woods and see the trees with their beautiful leaves in many shades of red, yellow and brown, and to catch glimpses of little squirrels busily storing up nuts for the winter. And then on the very last day of October comes Halloween, and again it is such fun to dress up and go to a party or out Halloweening with a group of playmates. I wonder what each one of you will do on Halloween? Perhaps you'll tell me when you write again.

I think that last month you were all busy getting settled in school, for I didn't get so many answers to the School Puzzle in the September WORKS NEWS. But most of the answers were correct. The right words are: book, class-room, dictionary, grammer, note-book, pencil, rule, black-board and tablet. Prizes were sent to Vernon Dove, Geraldine Gidley, Germaine Rondot, Dorothy Jane Reese, and Dorothy Jockel at Fort Wayne and Betty Hamma and Marion Jackson at Decatur. Besides these I received nice jolly letters from: Mildred Reese, Dorothy Wyss, Eugene Wyss, Vera Louise Kruge, Norman Stoller, Mary Belle Prince, Letha Click, Victoria Wesling, Bernice Moore, Arno Schelper, Dorothea Prange, Helen Houser, Albert

Devaux, Elmar Devaux, Raymond Holben, Ruth Swank, and Pansy Plant at Fort Wayne, and Leo J. Miller, Sephus Jackson, Catherine Murphy, Kenneth Nyffeler, Catherine Murphy, Kenneth Nyffeler, Catharine Jackson and Kathryn Kohls at Decatur.

I was very much pleased to receive more pictures. During vacation Mary Belle Prince took a trip through Ohio and she sent me the picture of herself and four cousins wading in Lake Erie. Betty Hamma, who is a new Decatur Junior, sent me the picture of herself and her little sister Joan, and Norman Stoller sent me his picture when he was six years old, but he is nine now. I am glad that most of you like to go to school, and of course I know that you



Norman Stoller

are busy, but I enjoy your letters and I hope you will all find just a wee bit of time to solve the puzzles and to write to me.

The G-E Product Fuzzle that we had in August was so well liked that we are having another this month. The name of this product isn't so long as the one in the August puzzle, and we used words in it that make you think of Halloween. So I imagine you'll have just as much fun solving it. I'll be anxious to know what you are planning to do on Halloween, so don't forget to write and tell me.

Yours sincerely,

Jill

October G-E Product Puzzle

Again my first name is known as
"The Initials of a Friend"

My last name has five letters in it.
The first one you will find in
B-R-O-O-M stick



Wading in Lake Erie: Georgia, Clatilda, Mary Be'le, Eleanora, and Russell, Jr. Prince—all Fort Wayne Juniors

In M-I-S-C-H-I-E-F you will also see it
The second's in O-C-T-O-B-E-R twice
and you'll see it in the M-O-O-N so nice
The third one you will find in B-A-T
also in the pointed witch's H-A-T
My fourth one is in O-W-L and O-M-E-N
and in J-A-C-K O L-A-N-T-E-R-N it is given
My last, in neither one of these,
B-L-A-C-K C-A-T-S, P-U-M-P-K-I-N F-A-C-E or O-W-L,
but in C-O-R-N S-T-A-L-K you'll see it is.

The Men Who Try

*Out of the numberless days now past
That have fled by this old sphere,
How pitifully few are the name's that last
Through the ages, year on year.
Noah, Napoleon, old John Brown,
Columbus and Grant and Drake:
These are a few, and their names go down
In the lasting roll of the great
There must have been millions of other men
In the stirring times gone by,
With the self same chances as these—but then
They were simply afraid to try.
It's easier far to be cautious and slow
And to quietly live and die
But the names that on history's pages glow
Are of heroes that dared to try.*

When I Was Young

*When I was young I felt so small
And frightened, for the world was tall.
And even grasses seemed to me
A forest of immensity
Until I learned that I could grow,
A glance would leave them far below.
Spanning a tree's height with my eye,
Suddenly I soared as high.
And fixing on a star I grew,
I pushed my head against the blue!
Still, like a singing lark, I find
Rapture to leave the grass behind.
And sometimes standing in a crowd
My lips are cool against a cloud.*



Betty and Joan Hamma, Decatur, G-E Juniors

Johnson-Carver

The marriage of Helen Carver and William Johnson, both of the Apparatus Dept., Bldg. 19-2, took place on August 31 at the residence of Rev. Studebaker in Bluffton. The couple were attended by Aline Denney as bridesmaid and Argend Denney as best man. After the ceremony a wedding dinner was served at the home of the bride's parents, Mr. and Mrs. Charles Carver, of Markle, where Mr. and Mrs. Johnson are residing for the present.

Slater-Pierce

On September 7, Manetta Pierce and Charles Slater were united in marriage. The ceremony was performed by Rev. Arthur J. Folsom at the home of the bride's parents, Mr. and Mrs. W. B. Pierce, 1638 Hinton Drive. Following the ceremony Mr. and Mrs. Slater left on a wedding trip through the east. They are now at home with Mrs. Slater's parents. Mrs. Slater is in the Order and Stores Dept., Bldg. 18-1, and Mr. Slater in the Small Motor Mfg. Standards office, Bldg. 3-3.

Hosler-Armstrong

Naomi Armstrong, Payroll Dept., Bldg. 18-2, and Donald Hosler were united in marriage on September 14. The ceremony was performed by Rev. F. W. Knatz at the parsonage of the Salem Reformed Church. Eileen Hosler and Earl Armstrong were the attendants.

Immediately after the ceremony the couple left on a wedding trip. For the present Mr. and Mrs. Hosler are residing with Mr. Hosler's mother, Mrs. Pauline Hosler, 1310 Fairfield Ave.

Brittin-Dennis

Jeanette Dennis, Small Motor office, Bldg. 3-3, became the bride of James Robert Brittin in a simple ceremony performed by Rev. Wm. Clark, at the Wayne Street Methodist Church on September 15. A short musicale by Mrs. Helen Clark preceded the ceremony. The bride was attended by Dorothy Steiner, and Cecil Schubert was best man. LaRue Cunningham, Willis Carto and George Griffiths served as ushers. Later in the afternoon Mr. and Mrs. Brittin left on a wedding trip. They are now residing in an apartment on Fox Ave.

Richards-Fox

The wedding of Mary Louise Fox, Service Bureau, Bldg. 18-2, and Charles M. Richards took place on September 21 in the rectory of St. Patrick's Catholic Church. The Rt. Rev. Msgr. Joseph F. Delaney performed the ceremony. Viola Reuille and Harry Nichter were the attendants. A wedding dinner was later served at the home of the bride's parents, Mr. and Mrs. James T. Fox, 801 W. Wildwood Ave. Mr. and Mrs. Richards are residing at 2822 So. Hanna St.

Pitzenbarger-Kaehr

The marriage of Devona Kaehr, Payroll Dept., Bldg. 18-2, and Floyd Pitzenbarger, a draftsman in the Apparatus Dept., Bldg. 19-3, took place September 14 at the Plymouth Congregational Church. Following the ceremony the bride and groom left on a wedding trip to Florida. Mr. and Mrs. Pitzenbarger are now at home with Mrs. Pitzenbarger's mother, Mrs. Della Kaehr, 2544 Maple Place.

Births

Donald Marion Hinrichs

Mr. and Mrs. A. Hinrichs are the proud parents of a baby son, Donald Marion, born September 23. Mr. Hinrichs is in the Meter Dept., Bldg. 19-5, and Mrs. Hinrichs was formerly in the Meter Dept.

Its Sides Split

"Shirts that laugh at the laundry," are advertised by a certain firm. A certain shirt in our family, bought elsewhere, has such a keen sense of humor that it arrived at home the other day with its sides split.

—Trumbull Cheer.

At the Quarter Century Club Outing



Left: A Boat Load of Quarter Century Club Merry-makers



Right: Out for a Spin in Bucker's Speed Boat



Four Ringers



Arrival at Potawatomi Inn

Four Join Quarter Century Club

FOUR men have recently received the neat little gold and black buttons that designate them as members of the G-E Quarter Century Club.

These men are Edward Steinau, foreman, Switchboard Assembly Bldg. 17-1; Walter Kent, A-c. Apparatus Engineering Dept., Bldg. 19-3; Charles H. Trautman, Fractional Hp. Motor Dept., Bldg. 17-4, and Leon C. Yapp, Contract Service Dept., Bldg. 18-1.

Edward Steinau

Mr. Steinau began July 5, 1904. However, he recalls that he was employed for a short time back in 1897 under foreman Tony Miller. He wanted work in the Arc Lamp Dept., but there was then no opening and not liking the temporary job that was available he quit and went to the Dayton Fan & Motor Co., where he worked for a time. From there he went to the Westinghouse plant at Newark, N. J., but did mostly road work installing arc lamps. On this, he worked in many cities and towns of the south and west. He recalls that arc lamps of that time had to be adjusted after they were installed and he says that more than once he got a jolt that knocked him flat in the street.

On coming back to the Fort Wayne Works in 1904 Mr. Steinau started in building switchboards under Henry Auman. The style in switchboards has changed very much since then as instruments and switches were then mounted on marble bases which in turn were mounted in wooden framework. Now slate, ebony asbestos and metal panels are used. Wood frames are replaced by steel framework, and many other variations in switching equipment, instrument design and control systems have occurred. Since about 1912 Mr. Steinau has been foreman of the switchboard section. For his whole

period Mr. Steinau has belonged to the M.B.A. and to date has not drawn one cent in sick benefits, an experience which certainly is rare.



L. C. Yapp



Charles Trautman



Edward Steinau

Walter Kent

Mr. Kent came to Fort Wayne following his course at Purdue, in 1904. Business was dull that summer, so he decided to see the Exposition at St. Louis before bothering about work. On his way, he ran across E. E. Miles, who told him that he was coming to the Fort Wayne Electric Works to take the Student Course. This decided Mr. Kent and he wrote for a job. On his return he found a letter stating that they could not give him work. Now while at the exposition Mr. Kent had spent quite a little time around the Fort Wayne Electric Works exhibit and had made up his mind that this was the company for which he wished to work, so in spite of the turn-down he had received, he boarded a train and came to Fort Wayne. He was finally told that he might report on July 18.

After several months on the Student Course, Mr. Kent was transferred to Mr. Barnes' office to take care of certain laboratory and process engineering. For a year Mr. Kent worked for Mr. Barnes, and was then given a position in the Engineering Dept., under Mr. Hadley, where he is still employed. At present Mr. Kent is following estimating and requisition engineering on propositions involving applications of alternating-current generators and synchronous motors made at Fort. Wayne.

C. H. Trautman

Mr. Trautman started on November 10, 1902, a few weeks after

his 16th birthday, assembling meter movements. He stayed in the Meter Dept., for several years, but finally, for lack of work, had to take a

long lay-off which makes his continuous service date only from Sept. 15, 1904. He again secured work assembling arc lamps under foreman John Bauer. Believing that he could make better wages at punch press work he later

asked for a transfer, and from then until the war was a punch press operator under F. J. Schwartzkopf.

From September, 1917, until April, 1919, Mr. Trautman was in military service. On returning he spent a few months in the specialists' training school learning the set-up of Potter and Johnson Automatics. When he had mastered this work he was transferred to the Fractional Hp. Motor Division and is now the set-up man for the Potter and Johnson Automatics in Bldg. 17-3. On week-ends, we are told, he and Johnny Richards, another Quarter-Century Club member, often drive up to Lake James where Mr. Richards has a cottage.

L. C. Yapp

Mr. Yapp's student course schedule, which he still has, indicates that he reported for work on August 1, 1904. How this all came about is told by Mr. Yapp in the following way:

"After graduating from Coldwater High in 1900, I entered Case to study electrical engineering. During summer's I worked for the municipal plant at Coldwater, trimming arc lamps, reading meters, wiring houses, building pole lines, etc. The last summer I worked for the city, A. L. Pond, now manager of our Milwaukee Office, was superintendent. There was a street carnival in town that summer and we had to wire the various booths and attractions for light and power much the same as is done today.

In 1902 the Wolverine Portland Cement Co. started to change the Coldwater and Quincy Plants from steam to electric drive. I applied to the superintendent for a job for the summer but got more of a job than I expected. I was put in charge of the electrical construction work and was on the job for two years, so did not get back to school. However, I continued my studies through correspondence and finished a course in mechanical and electrical engineering.

The motors installed at both plants and the generator at Quincy were built by the Fort Wayne Electric Works. Through this work I became acquainted with the Fort Wayne Electric Works and their apparatus and decided to try to get a job at Fort Wayne. In June, 1904, I applied to Mr. Crane, superintendent of construction, and he offered me a place. I accepted and reported for work August 1. My pay was about one-third of what I had been getting with the cement company, but I wanted experience.

The first two weeks I was in the Armature Dept. under Harry Beers. From the Armature Dept. I went to the Commutator Dept. My next experience was in the Detail Dept., Tony Miller was foreman and a good old scout. I then went through the Meter Dept. under Mr. Strube, who certainly knew how to treat a student right.

About that time business was picking up, so more office help was needed. Mr. Crane took me off the student course to do estimating on propositions. The work was fascinating and there was plenty of it.

After being on general estimating work for some time I devoted more time to switchboard design and production, all of this being included in the Construction Dept. duties at that time..

About the time we moved into the present office building I was transferred to requisition engineering work and followed that until the Fort Wayne Electric Works organization was absorbed by the General Electric. On January 1, 1916, I was appointed Fort Wayne representative of the Construction Dept., now known as the Contract Service Dept., and am still here in charge of this work.



Sunburst Neckline

The sunburst treatment at left side of bodice in printed silk crepe is repeated in hip treatment at opposite side, finished with self-fabric covered buckle. A jabot frill of plain harmonizing crepe is caught by buckle of bodice. The skirt is circular with extremely full hemline.

Style No. 2946 is designed in sizes 16, 18 years, 36, 38, 40 and 42 inches bust, and exceptionally easy to make. Just a few seams to join and it's ready to wear. Sleeves are fitted with darts below elbows to give the arms a lovely slender appearance.

Atlantic blue canton crepe self-trimmed is very wearable and newest idea of Paris for general daytime occasions.

Hunter green supple silk crepe, black crepe satin, beige crepe satin, dull black silk crepe with jabot of eggshell silk crepe, tomato red crepe de chine, Royal blue crepe, Elizabeth and seal brown crepe silk are charming selections for immediate wear, that can be worn all through Fall season.

Size 36 requires $3\frac{3}{8}$ yards of 40-inch material with $\frac{3}{8}$ yard of 18-inch contrasting. Price 15 cents in stamps or coin (coin preferred). Wrap coin carefully.

Youthful Ensemble

The ensemble in tweed in heather brown tones undoubtedly is the most practical and smartest fashion that Paris has sent us in some time.

Style No. 2963 sketched achieves youthful sophistication through simulated tuck-in blouse of flat silk crepe in toast-tan shade, with suede belt in soft brown tone indicating higher waistline. The skirt is box-plaited across front with plain straight slim back.

The coat is in seventh-eighth length. The fronts are underfaced with plain woolen in harmonizing tone and rolled into revers with collar. Sleeves have cuffs of plain woolen which appears again in applied bands of pockets.

It is designed in sizes 12, 14, 16, 18 and 20 years, and you'll find it very simple to make. It is very youthful too in mauve-red tweed with matching silk crepe blouse. Another swagger idea is bottle green novelty woolen with blouse of lighter tone silk crepe.

Size 16 requires $3\frac{3}{4}$ yards of 39-inch plaid material with $3\frac{3}{4}$ yards of 39-inch plain material and $\frac{1}{2}$ yard of 39-inch contrasting. Price 15 cents in stamps or coin (coin preferred). wrap coin carefully.

We suggest that when you send for this pattern, you enclose 10 cents additional for a copy of our new Fall and Winter Fashion Magazine.

Send your orders to Illustrated Fashion Features, Inc., Fifth Ave. and 29th Street, New York City.

Reading the Ads

I've kept that school girl complexion.
I've walked a mile for a smoke.
I've asked the man who owns one,
And he tells me that it keeps him broke.
I know that a child can play it.
To guard the danger line I try.
I know when it's time to retire,
And I've heard that they satisfy.
But there's one thing that baffles me,
Even if for a lifetime I strive,
I'd like to know, just whether or not
I'm one of the four out of five!

Folks are talkin' again about a child labor law. That's a good thing. There ought to be a law passed to keep the kids from working their pa and ma to death.

—Cobesco News.

Doctor: "Where shall I vaccinate you?"

Modern girl: "Oh, anywhere; It's bound to show."

Mabel: "How is your husband getting on with his golf?"

Alice: "Oh, very well, indeed. The children are allowed to watch him now."

Inter-Dept. Volleyball League

Al. Gollmer, Bldg. 4-1, popular volleyball enthusiast, is again serving as league manager, which assures another successful season for this growing activity.



Al. Gollmer

Long before we had the gymnasium, or even a regular place to play volleyball, Al had a couple of teams playing a sort of hit and miss schedule. He has continued his interest in the game and now has an eight-team league playing every Monday and Tuesday immediately after work.

More young fellows are showing an interest in volleyball. It's strenuous, all right, and is an excellent means of keeping fit.

Join Gym Classes Now!

Classes in gymnasium calisthenics, horizontal and parallel bar, horses, rings, tumbling, etc., are now being formed with competent instructors and leaders. These classes are open to both women and men employees, without charge.

Classes in boxing and wrestling are offered to men employees without charge.

Send your name and building number, and the kind of class in which you are interested, to the G-E Club, Bldg. 23.



G-E BASEBALL TEAM Y.M.C.A. INDUSTRIAL LEAGUE AND CITY INDUSTRIAL LEAGUE CHAMPS

Left to right—Back row: Wm. Weber, Mgr.; Rodenbeck, p; Shepler, p; Hitzfield, p; Hanauer, p; Kestner, p and cf.; Wellman, 2nd b.; E. A. Barnes, General Superintendent. Front row: Farrell, c.; Bubbs, c.; McAfee, lf.; Biedenweg, coach; Kammeyer, rf.; Glenn, ss.; Lichty, 2nd b.; Enders, 3rd, and Cowan, 1b., not in picture.

G-E Baseball Team Wins Y.M.C.A. Industrial League and City Industrial League Championships

A team composed of the best available players represented G-E in the Y.M.C.A. Industrial League this season and by persistent practice and heady playing won their way to the league leadership.

The schedule was divided into three rounds. G-E went through the first round with five straight wins, dropped one game to International Harvester in the second, and lost to City Light and Pennsylvania in the third round.

In the league championship game between G-E and Pennsylvania, Kestner and Kroll engaged in a pitchers' battle that was finally ended in the twelfth inning when Rodenbeck connected for a three bagger and came home on Farrell's perfect bunt down first base line.

G-E had a rather easy time defeating Home Telephone, winner of the Y.M.C.A. Commercial League, by a score of 10-5, for the City Industrial championship.

No attempt is made at individual mention of players because the team functioned as a well organized unit, and displayed a remarkable team spirit under the able leadership of Coach Biedenweg and Manager Weber.

SUMMARY OF SEASON SCORES

G-E	23	Bowser	4
G-E	10	City Light	5

G-E	6	Penna	3
G-E	19	International	3
G-E	13	Dudlo	4
G-E	6	Bowser	5
G-E	6	City Light	5
G-E	9	International	14
G-E	9	Penna	0
G-E	16	Dudlo	2
G-E	7	Bowser	3
G-E	9	City Light	10
G-E	2	Penna	3
G-E	9	International	0
G-E	3	Dudlo	2
Totals	147		63

Inter-Dept. Baseball League

Apparatus team, first half leaders, won two of the three twilight championship games from Winter Street, who had gone through the second half without a defeat. The season title and pennant is to be awarded to Apparatus section with appropriate ceremony.

A schedule of 56 games was played in this popular league, and as there were no restrictions as to players, most of the teams had a few "big leaguers" in their line-up to keep things interesting.

FINAL STANDING—SECOND HALF

	Won	Lost	Pct.
Winter Street	7	0	1.000
Apparatus	6	1	.857
Apprentice	3	3	.500
Motor Vets	3	3	.500
G-E Squares	1	3	.250
Gen. Service	1	4	.200
Small Motor	1	5	.133
Transformer	1	5	.133

CHAMPIONSHIP GAMES

Apparatus	0	0	0	6	0—6
Winter Street	0	1	0	0	0—1
Batteries—Enders and Myers; Kestner and Vondrau.					
Umpires—Lindemuth and Shady.					

Apparatus	0	0	2	0	3—5
Winter Street	0	0	3	0	0—3
Batteries—Enders, Harwood and Myers; Kestner and Vondrau.					
Umpires—Lindemuth and Shady.					

Inter-Dept. Softball League

A very successful schedule of three rounds of games was completed with championship games between the round leaders. The six teams in the league were quite even in playing strength, making it necessary to arrange play-off games for the first and third session honors.

The Apparatus team won its way to the championship by defeating Main office, and nosing out the Apprentice team in the final game for the season title.

Paul Berghorn, league manager, conducted the schedule in an admirable manner and had the teams playing every game without a forfeit or protest.

FINAL STANDING—THIRD ROUND

	Won	Lost	Pct.
Apparatus	5	1	.833
Main Office	4	2	.667
Apprentices	2	3	.400
G-E Squares	2	3	.400
Payroll	2	3	.400
Meter	1	4	.200



APPARATUS TEAM, WINNER INTER-DEPT. BASEBALL LEAGUE
Left to right: Larenitis, Hamilton, Harwood, Spahr, William Wehrs, Supt. of Apparatus Division; Schlup, Henry, Holmes, Mgr.; Daseler, Meyers. Enders not present.

High Class Basketball Again Assured

The G-E Club will again sponsor one of the strongest basketball quintets in the middle west. Season tickets for all home games will be sold as usual and will be available on or about November 1. This will answer numerous inquiries of fans anxious for the curtain raising.



Ray Lindemuth

The same class of teams that appeared on the local floor last season, representing the cream of net talent in this section of the country, will appear on the blue and orange schedule. Arrangements are being made to book at least eighteen home games.

The season tickets will be in two books, one for each half, with nine games included in the halves. The price of the books will remain the same as last year with season ticket holder having the same seat reserved throughout the half.

The gymnasium floor has been refinished and the bleachers repainted, maintaining one of the best playing courts in the state. The lighting, score-keeping devices, etc., are the best available.

Ray Lindemuth was again the unanimous choice for manager, which guarantees fans a high class of basketball. Ray, an ex-player, is well acquainted with the basketball situation in this section of the country. No bookings have been definitely closed as yet but Ray promises the fans that all of the games on the schedule will be with worthy opponents.

It is a little early to talk about the personnel of the team, but with most of last year's team on hand together with several new men and the pick of last season's Industrial League Championship Team to choose from, the G-E Club should be well represented on the hardwood court.

G-E Tennis Tournament

Entries were unusually heavy, with 54 singles, 10 teams in the men's division, and 10 mixed teams signed for the elimination series. The mixed doubles were won by Esther Moll and Al Melching. In the semi-finals, Stiles-Hemphill defeated Hockett-Gawehn; Moll-Melching defeated Goddard-Crary, 5-7, 6-4, 6-3. Moll-Melching defeated Stiles-Hemphill in the final round, 3-6, 6-4, 7-5.

Fred Feustal and Eric Gawehn carried off honors in the men's doubles, defeating Crary-Kronmiller, 6-3, 6-4, after this combination had disposed of Whitaker-Hemphill in the semi-finals, 6-2, 6-3.

Eric Gawehn won the men's singles.

In the quarter finals, Feustal defeated Whitaker, 6-4, 8-6; Kronmiller defeated Dierstein 6-4, 7-5; Hemphill defeated Crary, 8-6, 6-1, and Gawehn defeated Morrill, 6-0, 6-2. In the semi-finals, Kronmiller defeated Feustal by default. Gawehn defeated Hemphill, 6-3, 6-3. Gawehn won in the finals by defeating Kronmiller, 6-3, 6-3.

Esther Moll, 1928 city champion, displayed her usual form and placements, frequently crossing her opponents with smashing returns.

Rebecca Stiles and Eva Goddard played consistently and forced most of the games to advantage points.

In the men's doubles, Crary started with his crashing service and overhead kills. Feustal's returns were deep, and he used a smashing overhead stroke effectively. It was necessary for Feustal to default in the singles, as he left for school before match could be played.

The tournament was promoted by Eric Gawehn, and carried through in a highly satisfactory manner.

Indoor Tennis At Gymnasium

A regulation size tennis court has been marked off on the gym floor, and games may be played from 6 to 7:30 every morning, and all day on Sundays. Make reservation at the club.

Men's Bowling Leagues

Seven leagues are organized and bowling at the G-E Club alleys. The present schedule provides for Foremen's and Inter-Dept. leagues on Monday evenings, Toolmakers on Tuesday, Transformer and Wire and Insulators

WIRE & INSULATION BOWLING LEAGUE

SCHEDULE—FIRST HALF

	Alleys Sept. 25	Alleys Oct. 16	Alleys Nov. 6	Alleys Nov. 27
Insulation vs. Rollers.....	9-10	11-12	9-10	11-12
Paper vs. Mica.....	11-12	9-10	11-12	9-10
	Oct. 2	Oct. 23	Nov. 13	Dec. 4
Insul. vs. Paper.....	9-10	11-12	9-10	11-12
Mica vs. Rollers.....	11-12	9-10	11-12	9-10
	Oct. 9	Oct. 30	Nov. 20	Dec. 11
Insul. vs. Mica.....	9-10	11-12	9-10	11-12
Paper vs. Rollers.....	11-12	9-10	11-12	9-10



APPARATUS TEAM, WINNER INTER-DEPT. SOFTBALL LEAGUE

Left to right—Back row: Enderle, Delagrange, Harsch, Paul Berghorn, League Mgr. Front row: Laisure, Rogers, Myers, Steele, Robt. Meyer, Mgr. Not in picture: Borchelt and Larenitis.



MEN'S BOWLING LEAGUE OFFICERS

Left to right—Back row: W. W. Dreyer, sec., Meter; F. McMyler, pres., Meter; G. McAfee, sec. Foreman; F. Quinn, sec. Inter-Dept. Front row: Houser, sec., Toolmakers; J. Hendricks, sec. Wire & Ins.; Wm. Glenn, pres. Wire & Ins.; E. L. Simpson, pres. Foreman; F. Druhot, pres. Toolmakers; M. Cox, sec. Tfrs.

on Wednesday, Apparatus league on Thursday and the Meters on Friday evenings.

The following named officers have been elected: *Apparatus*—E. C. Reese, president; N. G. Prince, treasurer; Jack Leedy, secretary. *Foreman's*—E. L. Simpson, president and G. McAfee, secretary. *Inter-Dept.*—R. O. Orffe, president and F. Quinn, secretary. *Meter*—F. McMyler, president and W. W. Dreyer, secretary. *Toolmakers*—F. Druhot, president and G. Houser, secretary. *Transformer*—C. E. Tagtmeyer, president and M. Cox, secretary. *Wire and Insulators*—Wm. Glenn, president and J. Hendricks, secretary.

Girls' Bowling League

A G-E Girls' Bowling League has been formed. Thirty-two girls have entered. Games started on October 2 immediately after work. At the first meeting of the league the following officers were elected: Erma Lackey, president; Helen Bleke, vice president; Irene Fox, secretary-treasurer. The Board of Governors appointed by the president are: Florence Case, 19-4; Luella Schroeder, 4-4; Marie Hohman, 19-2; and Vera Pancake, 19-4. These girls together with the officers will make all rules and arrange the prize list.

Tool and Equipment Bowling League

	G	W	L	Ave.	Pct.
Spec. Machine	6	5	1	808	.833
Dies	6	4	2	820	.667
Tool Supvsrs.	6	4	2	805	.667
Spec. Tools	6	4	2	793	.667
Punches	6	3	3	801	.500
Jigs & Fixts.	6	2	4	789	.333
Grinders	6	1	5	789	.167
Machines	6	1	5	699	.167

High Score—Three Games

Special Machine	2477
Dies	2470
Dies	2452

High Score—One Game

Tool Supvsrs.	896
Dies	875
Spec. Tools	874

Individual Averages

Lepper	3	195
Houser	6	187
J. Mettler	6	180
Daley	6	174
Schellham'r	3	174
Dicke	6	171
Tennyson	6	171
J. Franke	6	170
Lankenau	6	169
Stone	6	169

Decatur

G-E Employees at Decatur To Incorporate Club

AT a mass meeting of employees of the Decatur Plant held at the K. of C. Club rooms on September 17, formal organization was effected of a club for all employees of the Decatur Plant. This club is to be along the same lines as the G-E Club at Fort Wayne. Mr. Barnes, general superintendent, and C. M. Schnieders, president of the G-E Club at Fort Wayne, were present at this meeting and explained the organization and operation of the employee's club at Fort Wayne. Following the discussion a constitution and by-laws was voted upon and adopted. According to this constitution the object of this club shall be to promote recreational, educational and social activities among G-E employees at Decatur. Alva Buffenbarger, president of the former organization, served as chairman of the meeting.

Following the above meeting an election of officers was held. This resulted in the selection of the fol-

lowing: Chester Kleinknight, president; Lawrence Beal, vice president; Katherine Hyland, secretary; Lohnas McIntosh, treasurer, and Bert Gage, member of the Board of Directors. The other members of the board are Ethel Tumbleson and William Heim, holding over from the previous year, and Enos Lankenau as the manager's director. Steps have been taken to incorporate the club.

Band Plans Winter Concerts

THE series of municipal concerts played by the Decatur G-E Band on Thursday evenings during July and August was attended by record crowds. The applause that followed the various numbers on these programs indicated that the offerings were more than pleasing to all. In fact these band concerts were so popular that the band was engaged to play every afternoon and evening during the Homecoming held at Decatur from September 10 to 15.

On September 22 the band donated their services for a concert at the Adams County Infirmary. When the bandmen arrived they found an immense crowd had assembled—a fine tribute indeed to the good work of Joe Danner, the conductor, and the 28 members of the band.

Plans are now under way for a series of Sunday evening sacred concerts to be given during the winter months. The dates of these concerts had not been decided in time for announcement in this issue of the WORKS NEWS.

Weddings

Barkley-Lubsicker

Ransome Barkley, Black Armature Dept., and Frances Lubsicker were married on September 7 by Rev. O. E. Miller at Winona Lake. Mr. and Mrs. Barkley are now at home to their many friends at their residence on Eighth St.

Conrad-Egley

Edna Egley, Collector Dept., has announced her marriage to Walter Conrad, which took place on September 29, at the Magley Reformed Church, Rev. Frank Grether officiating.

*Any woman can buy new lamps for a few cents . . .
but she can't buy new eyes
at any price*



IN ITS development of the incandescent lamp, the General Electric Company has made a substantial and permanent contribution to the conservation of eyesight—in the home and in industry. To Thomas A. Edison, who invented this lamp fifty years ago, the whole nation offers its praise and congratulation in the celebration of Light's Golden Jubilee.

JOIN US IN THE GENERAL ELECTRIC HOUR, BROADCAST EVERY SATURDAY AT 9 P.M., E.S.T. ON A NATION-WIDE N.B.C. NETWORK

GENERAL  ELECTRIC

95-715B

This advertisement to appear in general magazines for October



The
 Works News

November 15, 1929

Employees' Homes Bought Under Housing Plan



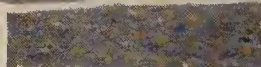
Walter E. Sorg,
1110 Rudisill Blvd.



Claude M. Summers,
1204 Park Ave.



August W. Weisenburger,
1821 Sinclair St.



Frank Arlic,
526 Buchanan St.

Below:
Fred J. Zehender,
3610 Reed St.



Glenn R. Ramsey,
1417 Wabash Ave.

Below:

Harry C. Beaty,
3102 Holton Ave.



Below:

Hugh D. Murphy,
3918 S. Wayne Ave.



GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

November 15, 1929

No. 11



L. W. Schuster



Margaret Grose



H. F. Bennigin



Ray Mason



C. F. Hambrock

Many Granted Suggestion Awards

A LOGICAL substitution of less expensive material is all that is involved in the suggestion which brought the largest individual award at our Works during the past month. L. W. Schuster, Bldg. 26-B, secured this award of \$100 on his suggestion that common instead of cold rolled sheet steel be used for certain transformer clamps. This suggestion illustrates the possibilities of securing good awards by careful observation of things going on about you.

H. F. Bennigin, Winter St., received an award of \$75 for suggesting changes in the oil holes in the bearing plates of the DR-3 and DR-4 icing units.

Margaret Grose, Bldg. 26-2, suggested providing stops on winding machines in Bldg. 26-2 to prevent razor blades from rubbing on steel arbors, and received \$75 award.

C. F. Hambrock, Bldg. 19-5, received \$50 award on his suggestion regarding the purchasing of certain felt washers for phonograph motors and pressure switches.

Ray Mason, Bldg. 27, was awarded \$40 on his suggestion that chutes be supplied for catching the work from certain Gridley automatics in Bldg. 27.

C. L. Wysong, Winter St., received \$20 on his suggestion regarding eliminating cap on heater case assembly used on certain icing units.

Glen Culp, Winter St., suggested furnishing a milling fixture for re-

pair of DR-3 cylinders and was awarded \$20.

Richard H. Evans, Bldg. 26-3, suggested changes in method of holding forms on back-gear winding machines in Transformer Division and received \$20 award.

R. L. Flightner, Bldg. 18-1, secured \$15 award on suggestion regarding changes to the sizes of certain fiber tubing used in the Fraction Hp. Motor Division.

E. Couch, Bldg. 19-5, suggested certain changes in MF-2 timers to overcome clutch slippage and received \$15.

Ruth Brown, Bldg. 26-2, was awarded \$15 on suggested changes in method of cutting certain varnished silk insulation.

William Sommers, Winter St., received \$15 on suggestion that adjustable stop be furnished on a grinder.

Ralph F. Shoaff, Bldg. 3-3, suggested furnishing a die for gaskets used in Fractional Hp. Motor Division and received \$15.

Harlan Voltz, Bldg. 26-2, was awarded \$15 on his suggestion regarding the use of paper cartons in

packing heavy duty bell transformers.

Clyde Haidet, Bldg. 22, received \$15 suggestion award on changes to dies for certain transformer clamps to facilitate punching.

C. Nichter, Bldg. 26-1, suggested change to width of certain Type M channel insulation and received \$15.

Glennola Heckber, Bldg. 26-2, received \$15 on her suggestion that a machine be utilized to remove enamel from wire used in certain transformers.

Twelve awards of \$10 each were made as follows:

Myrtle Schuelke, Bldg. 26-4, furnishing large diameter cutters for milling certain meter shafts.

Walter J. Frederick, Bldg. 19-4, changes to fare register springs.

A. Duhamell, Bldg. 26-3, supplying suitable containers for rivets and terminals at riveting machines.

Golda Kessler, Bldg. 26-2, change to handles of razor blades on winding machines.

Park Schermerhorn, Bldg. 26-2, use of special razor blades on winding machines.

Thomas Hayden, Bldg. 26-2, providing spring wire clips on the tension rod at the back of the winding machines.

C. B. Egts, Bldg. 26-2, changes in routine for issuing material from certain stock rooms.

John Brunner and Louis C. Uplegger, Bldg. 26-B, changes to die for transformer case.

Warren Locker, Bldg. 19-2, the use of metal blanks for sign-light cases to identify certain transformers while going through production.

Material savings help reduce manufacturing costs, so that your Company may better meet competition. As increased sales mean more work, we, the employees, are directly benefited.

Nora C. Coburn, Bldg. 26-2, use of red adhesive tape for marking transformer leads.

Bayless Swift, Bldg. 12-B, use of a device to catch paper at paper tester.

Clarence E. Wagner, Bldg. 26-1, supplying holders for wires at winding machines.

Awards of \$7.50 each were made to the following:

James R. Stephenson, Winter St., changes in method of milling slots in muffle boxes.

Robert Girod, Winter St., use of countersink for removing burr from trunnion bearing hole.

John F. Davis, Bldg. 26-5, use of special steel plates for jaws of winding machines.

Ninety-seven awards of \$5 each were made as follows:

Paul Menze, Bldg. 17-4, changes to drawings for stacking and riveting fixtures.

Melvin Dick, Bldg. 12-2, furnishing light at Norton grinder.

Melvin Dick, Bldg. 12-2, furnishing guard at shaper.

Dorothy M. Lindeman, Bldg. 19-4, furnishing jig for assembling leads and wrappers on magnet coils.

Cleo C. Greek, Bldg. 8-1, changes to bronze tube holders on cotton insulating machines.

R. L. Flightner, Bldg. 18-1, change in the wording of purchase orders for certain copper.

W. Colchin, Bldg. 4-3, change of ventilating pipes on oven.

Raymond Saul, Bldg. 26-2, providing dipping and drying oven for coils.

Lawrence Suelzer, Bldg. 26-4, supplying air hose at certain drill presses.

Theo. Branning, Bldg. 27, supplying platforms at Toledo Presses to facilitate set-ups.

G. K. Crow, Bldg. 4-1, supplying guard at drill press.

H. Ulrich, Bldg. 26-3, supplying guard for motor on final automatic test in Bldg. 26-3.

George Cooper, Bldg. 4-5, supplying guard for spindle bolt on milling machine.

Maria Amstutz, Bldg. 26-2, providing strips at edge of stackers' tables.

Claude Barnes, Bldg. 26-2, the use of paper in place of tape for wrapping leads of transformers.

Florence Hover, Bldg. 26-2, furnishing a device for pressing certain over-size coils.

Erma E. Johns, Bldg. 26-2, furnishing bone hooks for use in pulling tape on certain transformer coils.

Rose Onstott, Bldg. 26-2, changes to outlet receptacles for soldering irons used at tables for filament winders.

Lloyd S. Parson, Bldg. 26-2, utilization of certain accumulated transformer coils.

George Thomas, Bldg. 20-1, furnishing "wear goggles while using this grinder" signs at grinders.

Fred A. Burkett, Bldg. 20-1, furnishing guard at grinder.

Herbert Adamske, Bldg. 26-5, changes to lights and switches at certain drill presses.

Carl G. Schlenker, Bldg. 26-5, changes to counter-weight guides on drill press.

Gerald C. Holdgreve, Bldg. 17-4, carrying drill rod in tool crib.

Oscar Shady, Bldg. 26-2, furnishing keys for door to toilet in Bldg. 6-1.

Viola Grover, Bldg. 4-1, changes to leads in three-phase four-pole fields.

Charles C. Niblick, Winter St., providing warning device at compound mixing tank.

Kenneth Paul Carr, Winter St., supplying canvas covers for compressor cases.

Lester E. Essig, Winter St., marking dowel pins in DR-3 frame and bearing plate assembly.

Wilmer Maloney, Bldg. 26-3, re-arranging packing table in the reactor section.

Leroy M. Crider, Winter St., furnishing bar for removing defective bolts from compressor cases.

S. Alsbaugh, Bldg. 19-4, changes in the method of riveting timer contact brackets in the Meter Division.

Ada Mix, Winter St., use of long handled scraper for certain burring operations on bearing plate.

B. A. Tillman, Winter St., changes to the lighting equipment in the 100° test rooms.

Viola Haggerty, Bldg. 19-1, furnishing stencil in pad form.

Harry Squires, Winter St., furnishing pan to catch glycerine at evaporator during filling operation.

Fred B. Adams, Winter St., providing guard on motor for grinder.

Fred B. Adams, Winter St., supplying guard at milling machine.

Leo Walters, Bldg. 4-5, changes to diameter of lock washer used on certain motor-generator sets.

Margaret Cartwright, Bldg. 4-1, supplying steel stamps for stamping stators of certain model numbers.

Elmer N. Yordy, Bldg. 19-2, supplying conveyor for armature coils in Bldg. 19-1.

Robert W. Kessens, Bldg. 19-2, providing shields at spray booth for stators.

Imogene Briggs, Bldg. 4-1, changes to winding machine in Bldg. 4-1.

Alfreda Sullivan, Bldg. 4-1, changes to certain winding racks.

Conrad Pfeil, Bldg. 4-4, changes in the use of certain inspection tags.

Irene Heckbar, Bldg. 26-3, changes in the method of cutting certain cable.

Bernard Sechler, Bldg. 26-3, changes in method of distributing material to operators of certain winding machines.

L. Chaney, Bldg. 16-1, method of securing certain leads in bushings on type M Transformers.

Dolly Gessinger, Bldg. 26-3, changes in inspection routine in connection with certain coils in the Transformer Division.

Carl B. Egts, Bldg. 26-2, change to material called for on certain material list.

Margaret Galeener, Bldg. 26-2, supplying folded air gap spacers on certain transformer assembly operations.

Rebecca Stiles, Bldg. 26-2, providing guards and relocating bench at conveyor.

Velma R. Vanderford, Bldg. 26-2, supplying printed clock number markers for certain winders.

Florence Robinson, Bldg. 26-2, providing shields for transformer cases on conveyor to pouring pots.

S. B. Robinson, Bldg. 19-2, use of 1/4 in. brass core supports on certain transformers.

Ralph Winters, Bldg. 26-3, supplying cabinets for packing boxes.

Lester K. Wolfe, Bldg. 26-5, furnishing device for balancing grinding wheels for certain grinders.

Charles H. Penn, Bldg. 26-2, providing safety device on spigots of compound tanks.

Jesse E. Easterday, Bldg. 8-2, supplying guards at windows in Bldg. 8-2.

Edgar P. Ort, Bldg. 4-4, change to pattern for bearing flange.

Harold C. Haggard, Bldg. 26-2, changes to tape cutters used in Winding Dept.

J. F. Payton, Bldg. 26-2, changes in the method of making terminal boards used with certain transformers.

Carrie Ferrell, Bldg. 17-2, supplying combination winding steel and needle for use in winding stators.

Esther Ulmer, Bldg. 26-1, changes to material and method of insulating tap leads on certain transformers in the Transformer Division.

R. L. Flightner, Bldg. 18-4, the purchasing of Hi Speed jobbers drills in place of straight shank high speed drills.

Otto Geasner, Bldg. 26-B, changes in the method of handling oil.

Wm. F. Fowler, Bldg. 26-1, use of standard hexagon instead of special nuts on certain Type M transformers.

Park E. Schemerhorn, Bldg. 26-2, supplying guards at switchboard panels at treating tanks.

Oscar Baals, Bldg. 26-B, installation of hoist at spray booth to facilitate handling certain transformer tanks.

Lewis W. Clark, Bldg. 4-4, changes to coil former for Time-O-Stats in Bldg. 4-4.

Paul B. Gressley, Bldg. 26-3, changes to the lighting fixtures at certain winding machines.

(Continued on page V)

G-E Squares Hold Semi-annual Banquet

THE semi-annual banquet of the G-E Squares was held October 11 in Bldg. 16-2. At this meeting the following new officers were elected: L. Z. Gossman, president; E. J. Shimek, vice president; and A. M. Smith, secretary-treasurer. The retiring officers, C. H. Marihart, president; R. D. Jones, vice president; and L. Z. Gossman, secretary-treasurer, were given a rising vote of thanks.

The principal speaker of the evening was E. R. Thomas, prosecuting attorney of Allen County, who spoke on "The Value of a Definite Goal in Life." A. E. Chettle, chairman, Membership Committee, welcomed the new men. The response was given by E. J. Shimek. Eric Anderson was toastmaster.

The success of the banquet was due largely to the efforts of the banquet committee, composed of R. D. Jones, chairman; W. M. Adams, C. A. Thomson, A. M. Smith and C. W. Leegard.

Approximately 90 engineers were present. The total membership at present is over one hundred. The new members to be received into the club are:

S. W. Allgeier, Wash. State; A. R. Allen, Texas Tech; C. W. Berglund, Duke, T. S. Bell, Rose Poly.; R. E. Billings, Purdue; A. W. Bireley, Purdue; N. M. Chapman, Univ. of Utah; C. R. Cantonwine, S. Dak. Univ; W. E. Dodson, Rose Poly.; H. F. Doll, Notre Dame; J. M. Duquette, Notre Dame; P. V. Funk, Ohio Northern; L. Gerstel, Armour; F. D. Gowans, Univ. of Utah; A. W. Howard, Univ. of Col.; J. E. Johanson, Wash. Univ.; D. W. Kruse, Ohio State; C. T. Kingsley, N. Dak. State; A. I. Lohman, Evansville; R. E. Landblom, N. Dak. State; K. N. McDowell, N. Dak. State; K. D. McMahan, Oklahoma; D. D. McSparron, N. Dakota; R. R. Owens, Univ. of Minn.; P. Schell, Univ. of S. Dak.; B. A. Schmidt, Texas Tech; N. F. Searles, Purdue; H. R. Shannon, Univ. of Minn.; E. J. Shimek, Rice Institute; N. C. Staley, S. Dak. State; A. F. Vinson, Mich. State; A. R. Weckel, Kansas State; R. C. Warneke, Univ. of Minn.; J. J. Yates, Notre Dame; L. K. Ennes,

DePauw; Edward G. Barch, Notre Dame; Theodore H. Gugler, Univ. of Nebr.; Walter V. Gildea, Notre Dame; George E. Hicks, Univ. of Ky.; Merritt L. Hartman, Iowa Univ.; Albert S. Johnson, Univ. of Ky.; Clifford W. Leegard, Univ. of Minn.; Francis Mettrailer, Notre Dame; H. S. Nagel, Colorado Univ.; Chas. A. Pierson, Purdue; W. F. Stroehle, Colorado Univ.; Thomas L. Staley, Yale; Dale G. Wilson, Iowa State; Raymond E. Zook, Purdue.

In the past the Squares were a small organization and the addition to, or the decrease in, the number of members was very apparent at the meetings. To so small a group the comings and goings of the various members were a matter of common knowledge and this information was easily disseminated. With the growth to over 100 members some means of preserving unity is essential. It will be the object of this column to do that.

In accordance with the amendments to the constitution, the following have been appointed by the Executive Committee as chairman of the Standing Committees for the coming six months: W. M. Adams, Social Committee; G. E. Hicks, Membership Committee; M. L. Schmidt, Nominating Committee; H. Kroeger, Athletic Committee. The success of the Squares activities rests in the hands of these men and their committees.

The following transfers have been effected in the past few weeks.

J. L. Westbrook, Meter Dept. Industry Control, Schenectady; S. B. Crary, Transformer Engineer, Central Station, Schenectady; K. T. Deutch, Student Training, Test, Schenectady; H. C. Thompson, Student Training, Test, Schenectady; R. H. Mighell, Student Training, Test, Schenectady; V. C. Moronowitz, Student Training, Test, Schenectady; A. L. Sweet, Student Training, C-Adv., Engineers Course.

Four men who recently completed their test and have transferred to Fort Wayne Transformer Engineering are A. C. Churchman, U. of Delaware; H. J. Oosterling, Michigan; S. R. Larson, Minnesota; and L. V. Soderholm, Minnesota. Daniel Hutchinson, North Carolina State, and Geo. Larson, Utah State, have transferred from Schenectady Test to Ft. Wayne Students Training Course for a three-month period.

Many Receive Suggestion Awards

(Continued from page IV)

Ira C. Webber, Jr., Bldg. 26-2, change to guard rail of conveyor at compound tank.

Carl B. Egts, Bldg. 26-2, supplying guards for riveting presses.

William Law, Bldg. 26-B, change to weld in certain Type M transformer cases.

Dorothy Coles, Bldg. 4-2, change to method of bringing out leads on machine of certain model numbers in the Fractional HP Motor Division.

Florence Elward, Bldg. 26-2, supplying fixtures to aid the cleaning operations of certain transformers.

Fred Baus, Bldg. 19-4, furnishing improved arbor for winding certain relay coils.

Frank Schlotter, Bldg. 26-1, changes in method of insulating first and last turns on type M transformers.

Elmer C. Sible, Bldg. 19-5, changes in the assembly operations on T-8B mechanisms.

Wayne E. Dodson, Bldg. 19-1, supplying certain combination stamps for marking leads in the Apparatus Division.

Howard Shipman, Bldg. 26-1, furnishing stop at east end of storage conveyor.

Gaylor H. Evans, Bldg. 26-2, covering steam pipes at automatic spray.

Theo. Branning, Bldg. 27, providing material racks at certain punch presses.

K. D. Malott, Bldg. 4-5, providing lights at stator stacking benches.

John Junk, Bldg. 4-3, installation of a guard at machine.

Al. H. Heuer, Bldg. 4-5, installing a guard back of Lucas press.

Louis Hinsen, Bldg. 4-1, reinforcing conveyor.

H. P. Hyndman, Bldg. 4-4, supplying stop on chuck that is used on certain bench lathes.

Ralph F. McQueen, Bldg. 4-1, supplying cabinet for arbor sleeves and other equipment at certain lathes.

Margaret Houston, Bldg. 4-3, furnishing screen cover for condenser.

Wallace Fox, Bldg. 17-2, changes in conveyors between buildings 2-1 and 17-2.

J. O. Staley, Bldg. 26-B, changes in the method of identifying certain spools used in Transformer Division.

Erma E. Johns, Bldg. 26-2, supplying stands for operators on certain transformer coils.

Cyrus Stonehill, Bldg. 26-3, providing pan at end of treating oven.

Ralph Winters, Bldg. 26-3, supplying trays at turret type winding machines.

Madarus Putt, Bldg. 19-2, posting "lost hours due to rejections" on group incentive boards.

Julia Mugg, Bldg. 26-3, rearranging a certain stacking section.

Snapped About the Works



An Instructive Exhibit

WE were exceedingly fortunate in having with us for a week during October a collection of display boards on which were mounted numerous exhibits illustrating how more economical uses of material can be achieved. These exhibits were made up at the various Works of our Company and were first displayed at Association Island during the past summer. They are now being circulated among all Works so that each individual employee may see them.

This exhibit was first displayed at the Fort Wayne Works at the regular meeting of the Foremen's Club, October 16. The members were invited to study the exhibit as an illustration of the possibilities in material saving. Much interest was shown.

The exhibit was then displayed at other points about the plant and in the G-E Club, thus giving every employee an opportunity to study it. One particular exhibit illustrates very forcibly the tremendous annual economies effected by only a small saving in each unit produced where output is large. The Pittsfield Works manufactures compound bases for radiotrons. Recently a change was made which saved about 1/18 of an ounce of compound in each base manufactured. This saving seems small but there are thousands of these bases manufactured each week and the savings amount to \$34,000 a year.

The savings illustrated on these display boards are only a small part of the actual savings made from time to time, but even these few tangible proofs show a saving of almost \$1,500,000 each year. It is just such projects as these that enable our Company to compete favorably with other manufacturers and thus by getting more orders, provide more work and better pay for all of us.

We feel sure that, after seeing these exhibits, each employee can, by studying his own job and applying one of the ideas illustrated, find at least one new idea which will result in a saving in material. All such ideas should be turned in on suggestion blanks to the Suggestion Committee, Bldg. 16-3.

Many employees are increasing their earnings to quite an extent through the Suggestion System and this exhibit is just one more source from which ideas for suggestions may be gained. It illustrates the truth that "there is always a better way."

William H. Crighton Retires

ON October 2 William H. Crighton, supervisor of drafting, was retired from active service because of ill health. Mr. Crighton has been in the employ of our Company since May 1, 1891, when he came from the Kerr-Murray Co. to do drafting for C. S. Bradley, one of the early engineers. In his employment at Kerr-Murray's he had secured some valuable experience both as a mechanic and as a draftsman. After doing drafting for Mr. Bradley for a time he was assigned to special drafting for Mr. Wood. In the years that followed he made many of the detail drawings for the early lines of apparatus including the famous bi-polar "Wood" arc machines.

In the spring of 1899 after the death of R. T. McDonald, mana-



W. H. Crighton

ger, and the consequent appointment of a receiver for the Company, Mr. Crighton along with many other employees was laid off. In midsummer, however, he returned and as the former head of the drafting room had left, he was put in charge. For the past 30 years, therefore, Mr. Crighton has had supervision of this work. He has also been the Fort Wayne Works representative on the General Committee on Drafting Room Practice.

From 1921 to 1927 Mr. Crighton served as representative of our Works on the Board of Trustees of the G-E Quarter Century Club, of which he has been a member since 1916.

Mr. Crighton became ill during the latter part of March and since then, with the exception of a few days in June when he attempted to resume his work, he has been absent from his desk. His general responsibilities have been assigned to H. A. Hartman.

To Erect Addition to Bldg. 4

IN order to provide facilities for a substantial increase in the fractional hp. motor business, construction will start very shortly on a six-story and basement addition to the fractional hp. motor shop in Bldg. 4, east of Broadway. This addition will extend to the west of the present building and will face the right-of-way of the Pennsylvania Railroad.

The present building is five stories in height; but the addition will contain six, the first five of which will be devoted to manufacturing operations, while on the sixth will be consolidated the production, planning, cost, engineering and drafting departments. In order to provide for this new building the present three-story Bldg. 3 and a portion of 2 will be razed. These were erected in 1890. This extension was contemplated and provided for in the design of Bldg. 4 at the time it was erected. Work will be pushed and it is expected that the building will be completed and equipped by June, 1930. These facilities will provide for approximately 800 to 1000 additional employees.



Mr. and Mrs. M. S. Willson. Mr. Willson is a Retired Q. C. Club Member. They Live at 875 No. Mentor St., Pasadena



Apprentice Alumni Group at Tippecanoe Lake

Apprentice Alumni Hold Stag Outing

THE possibility of bad weather, perchance, or something like that served to keep down the attendance at the last apprentice alumni stag outing held over the week-end, October 5-6, at Erwin Hotel, Tippecanoe Lake. Only 18 were present for the good time. However, those who were there had plenty of fun. The members drove up in private cars and had some real sport at horseshoe games, bowling, baseball and fishing. Even the weather was wonderful on both days and many enjoyed golf and long hikes before the dinner on Sunday. All that could have been wished for was that more of the members might have been present to enjoy the fun. Because of the small attendance the proposed business session was deferred until the next meeting.

Addresses Cost Accountants

I. H. FREEMAN, supervisor, Wage Rate and Employment Dept., on October 16 was at Rochester, N. Y., to address the Rochester chapter of the National Association of Cost Accountants on the subject, "Cost Reduction Through Wage Incentives." It will be recalled that Mr. Freeman during the summer appeared on the program of the International Conference of the National Association of Cost Accountants, held at West Baden Springs, Ind., and his invitation to appear before the Rochester chapter may be ascribed to the favor with which his West Baden address was received.

Deaths

Harry J. Andress

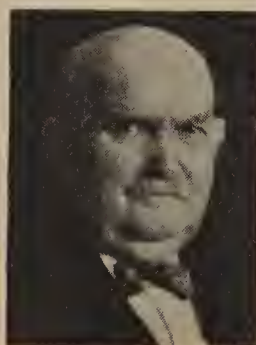
HARRY J. Andress, 39, general foreman of the Watt-hour Meter Depts. at the Broadway Plant, died October 6, at St. Joseph's Hospital where he had been taken when complications developed following influenza and pneumonia. On September 16 Mr. Andress had to leave work because of an attack of influenza and he was never able to return.

Mr. Andress began his services at General Electric on January 2, 1917. At first he was assigned to a special course of training that he might become familiar with the work in all the watt-hour meter departments. On March 2, 1920, he was made foreman in the Meter section and approximately four years later was advanced to the position of general foreman of all the watt-hour meter manufacturing. He proved very capable in this work and readily made friends of all with whom he came in contact.

Surviving are the widow, Mrs. Nina Andress of 1507 High St., his parents, Mr. and Mrs. Samuel Andress, of Auburn, a sister and



Harry J. Andress



August F. Gawehn

one brother. The funeral was held at the home October 9, with burial in Lindenwood cemetery.

A. F. Gawehn

August F. Gawehn, Blue Print Dept., Bldg. 18-5, died at his home, 1309 Sheridan Court, October 20, after an illness of only four days. Mr. Gawehn, who was over 70 years of age, was originally a tailor. He came here from Germany 39 years ago and followed his trade until October 29, 1917, when he was employed as an operator of one of our blue print machines. In spite of his advanced age, Mr. Gawehn was regularly at his place, coming early each morning to get his machine ready for the day's run. It would scarcely be possible to find one more faithful to his task. Mr. Gawehn was the father of Eric J. Gawehn, Apparatus Drafting section, Bldg. 19-3, Betty Gawehn, Bldg. 26-4, and George R. Gawehn, formerly head of the Art Dept. and Works photographer here. Also surviving are the widow, Mrs. Zella Gawehn, and a daughter, Miss Luella. The funeral was held October 23 with burial in Lindenwood.

Punch Presses Cannot Think

A PUNCH press is designed for piercing or forming parts out of sheet material; and as a punch press cannot think, it will cut anything that is placed under its punch, including fingers. As the press cannot think it is up to the operator to do the thinking.

A press is not dangerous.

It only becomes dangerous when an absent-minded operator sticks his fingers into places where they should not be, instead of using sticks, rods, pliers, or the other devices that are provided.

Since the press operates in certain well-known ways, and does not reach out and grab the operator and force his fingers under the punch, it is evident that the future happiness of the operator's fingers is entirely under his control.

Why not then, instead of forming a careless habit that will result in maimed fingers or hands, form a habit of keeping the fingers away from the punch while the flywheel is in motion?

Fire Protection in Industry a Lesson for the Home

By PAUL GRIMME, *Fire and Patrol Chief*

THE dreadful possibilities of a fire in our factories is ever uppermost in the minds of our executives. Not so long ago a handful of employees delegated to the task and equipped with a line of fire hose and some chemical extinguishers was considered adequate protection for a manufacturing plant. With the growth of our factories to greater proportions, organized fire departments with carefully drilled personnel have come to be considered essential at each G-E plant. As employees well know, all our buildings are protected by automatic sprinklers, and the very best in chemical fire engines, carbon dioxide gas, and other special fire-fighting equipment. Every effort and provision is made to cope effectively with fires immediately after they start.

The provisions set forth above are admission of the fact that fires cannot always be prevented; however, the number of fires and the losses incident thereto can be controlled by constantly working along three lines of defense, namely: first, good housekeeping, to keep down the chances of fires starting; second, provisions to limit the spread of such fires; third, quick and effective fighting of the fires when they start. Unquestionably the first named is the most important of these three. Good housekeeping truly is the keynote to fire prevention. Do not let rubbish collect under work benches and in out-of-the-way places. Ovens, spray booths, exhaust hoods, duct systems must be kept clean and inspections to see that this is done must be made regularly and rigorously.

In a factory such as ours there are many fire hazards which are difficult to guard against. The use of volatile, inflammable liquids and materials has increased enormously in the last few years and the danger of fire from a static spark, short circuit or ground has accordingly increased. These conditions, unavoidably attendant on the development of modern manufacturing methods, require a most rigid system of inspections to prevent a haz-

ardous condition from developing in our midst. Factory foremen and supervisors have a natural tendency to think first of the problems of production; others, therefore, must see to it that the urge for production does not result in careless methods and poor housekeeping. In our plants the fire inspections are carried on by experienced men who have full authority in these matters. Employees generally can assist greatly in seeing that hazardous conditions are not permitted to develop or exist.

All G-E plants are insured in Factory Mutual Fire Insurance Companies. These insurance companies send frequently and without notice, experienced engineers who pry into every nook and corner, test the water systems, pumps, spraying equipment, etc., and without fear or favor report what they find. These inspections keep our own fire inspectors on their toes because if these lynx-eyed insurance men report improper conditions it reflects seriously on the work of our local fire inspectors. It is significant to observe in this connection that the reports of the insurance company's engineers are never questioned by the management at our plants.

Since some fires do occur, in spite of the most careful fire inspections, our plants are equipped with interlocking non-interfering alarm boxes placed handily in all buildings which indicate instantly at fire headquarters and other vantage points the building, floor and department from which the alarm is turned in. These, with the automatic fire sirens, enable the trained Works Firemen to quickly arrive on the scene. Two and one-half inch and one-half inch approved mill-type fire hose installed on suitable racks or reels is generously distributed throughout the plant and the locations marked by red lamps and signs visible for long distances from every direction. The dip tanks and storage rooms are provided with chemical or gas extinguishers ready at hand and the automatic sprinkler system and fire

pressure lines are served by automatic motor-driven pumps that insure plenty of water at "fire pressure" for the fighting of fires in whatever part of our plants they break out. But our preparedness does not stop here—all of our fire alarms are registered at the City fire stations although the City departments do not respond during ordinary working hours unless a special call is sent in. After working hours and during Sundays and holidays the City firemen do respond to the first alarm of fire originating in our plants.

Besides the trained firemen who are otherwise regularly employed in all sections of our plants, there are trained floor leaders instructed in the turning in of alarms and the handling of locally installed equipment. These floor leaders direct the removal of anything which can be moved from the locality of the fire, or the covering of such equipment with fire blankets to protect it from water and smoke. This service is valuable as oftentimes the damage from water might otherwise be greater than the loss from fire.

The fire drills for employees, too, are an essential factor in our arrangements to combat the dangers of fire. In all factory buildings where women are employed fire drills are held frequently and without warning of any kind in order that employees may familiarize themselves with locations of exits.

G-E employees may well learn from the care and thoroughness of our safeguards against fire, lessons of value in the prevention of fire in their homes. In this connection we would emphasize again the value of good housekeeping in the prevention of fires starting. Rubbish and litter collecting in out-of-the-way places in factory or home creates a real menace.

The smallest spark finding its way into such fuel, or spontaneous combustion which is all too likely to occur, are frequent causes of disastrous fires. Let us keep factory buildings and our homes free from such fire hazards in the interest and well being of all concerned.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13 November 15, 1929 No. 11

Drums Are Worth Money

THE number of steel drums that are handled here during the course of the year probably totals between 50,000 and 100,000. These drums, which come to us containing various liquids such as oil, thinners, lacquers, paints, etc., are worth approximately \$8.50 each, and are so billed to us when we buy such supplies. If we return these drums in good condition we receive full credit. If they are dented or punctured we are liable for the expense of putting them back in first class condition or the replacement cost of new drums. Proper care in handling these drums at Fort Wayne Works will save the Company a large sum each year. Here is a chance for worthwhile economy. Everyone who handles such drums should cooperate in this campaign to reduce this unwarranted expense.

Men and Machines

THE difference between a man and a machine is that a machine can merely work *for* you—but a man can work *with* you!

Any individual who refuses to cooperate with his fellow workers simply places himself on the same level as any piece of machinery—instead of working *with* everybody—he is merely working *for* somebody.

Just a Few Words to Remind Us

JUST a few words to remind us. How many people have gone downtown and seen someone from out of town in "dutch" with a policeman. The first thing you will say is, "Well, if he wants to live in this town he will have to wise up and do as we do."

The same thing applies to the man who is transferred from one department to another. The first thing he usually does is to try and show the other fellow he is not afraid of the "boss." Now there is no superintendent, foreman or leader who wants his men to be afraid of him. All he wants you to do is co-operate with him and do your work as well or better than the men you are moving in with.

You can always pick out the man who is "green" in the shop—the fellow who boasts about how good he is, how fast he does his work, how many machines he can operate and how many places he has worked.

It isn't always the man who starts on time in the morning, and then takes several rest periods during the day who is a good man. But it is the man who begins work on time and works steadily 8-8/12 hours a day who makes a success of his job.



FOREWARNED IS FOREARMED

Meets With Fire Chiefs

CHIEF Paul Grimme, Works Fire and Patrol Dept., and F. G. Duryee, were in attendance at the meeting of fire chiefs and plant engineers of our Company at the headquarters of the Associated Factory Mutual Fire Insurance Companies in Boston on October 17 and 18. Before leaving Boston our local representatives took in the Harvard vs. Army football game at Cambridge and report a battle which they will long remember.

Absent Employees

Walter Rehling, Small Motor Dept., Bldg. 4-5, has been ill for several weeks at his home at 517 Madison Street. He reports that he is feeling better but does not know when he will be able to return to work.

Barbara Dirr, Small Motor Dept., Bldg. 17-2, is now at her home in Garrett, Ind., recovering from a recent illness. It will be some time before she will be able to return to work.

A. M. Snodgrass, Meter Dept., 19-5, is now at his home, 1715 Kensington Blvd., recovering from injuries received in an automobile accident. It probably will not be long before he is able to resume his duties.

Kenneth Kampheus, Small Motor Dept., Bldg. 4-3, is at his home recovering from an operation.

James Nelson, Transformer Dept., Bldg. 26-4, is now at his home, 1919 Pine St., recovering from a recent operation and reports that he is feeling fine.

Florence Pape, Small Motor Dept., Bldg. 17-2, is now at her home at New Haven, Ind., recovering from an operation.

Clara Gehring, Small Motor Dept., Bldg. 17-3, who is now at her home at 3802 S. Harrison St., recovering from an operation, reports that she hopes to be able to return to work soon.

Ed. Davis, Small Motor Dept., Bldg. 17-3, who has been away from work for several weeks because of illness, is at his home 224 First St.

Thelma Masters, Small Motor Dept., Bldg. 17-2, is at the Methodist Hospital recovering from an operation.

Henry Dierstein, of the Small Motor Dept., Bldg. 17-2, is confined to his home at 1122 Jones St., recovering from injuries received in an auto accident.

Paulus Adams, Testing Dept., Bldg. 19-1, is confined by illness to his home at 1316 Ridgewood Ave.

Discount Offered on G-E Refrigerators

Special Opportunity Available to G-E Employees During November, December, January

A SPECIAL discount of 25 per cent, with easy terms on all models, is being offered to G-E employees who purchase G-E Refrigerators during the months of November, December and January. These unusual terms can be enjoyed by General Electric employees only. Foremen or campaign managers in all departments, or local General Electric Refrigerator distributors, will gladly tell you more about the models and the special payment plan.

This special offer, being given for a limited time only, comes because the Refrigerator Dept. feels that the thousands of G-E men and women who help in building the refrigerator cabinets and units in our various Works should be given special inducements to own one of the products which they help to make.

Preserving food by refrigeration is not a new idea. If we could have the privilege of seeing the history of man unfolded like a moving picture, we could see that the origin and development of the art of preserving food closely follows the needs of man as his life becomes more complicated.

Man's first real conquest of nature came when he tamed fire for his own use—for warming his body and for cooking his food.

It was not until ages after he had found fire, that he learned to use cold also. But slowly he learned its value. He learned to place his game in the coolest part of the cave, or to lower it into a cool brook or lake.

Then he learned that water, kept in a porous jar of crude sunbaked clay, remains deliciously cool.

In ancient Greece, if this story were shown to us on a screen, we would next see thousands of serfs carrying packed snow down from the mountains and placing it in deep-dug trenches, in which their master, Alexander the Great, had then put hundreds of containers of wine, to keep them cool. And in Rome we would see Nero, following a similar course—employing an army of slaves—to keep his rare

wines cool. Marco Polo—the great Italian adventurer of the Middle Ages—flashes on the screen, bringing home recipes for water and milk ices from China and Japan. Catherine de Medici, pampered daughter of the greatest family of the 16th century, is next seen, as

Special Discount, Special Terms For General Electric Employees Only

Special Discount 25%

PLAN I 12 months to pay, no down payment and monthly payroll deductions

PLAN II 18 months to pay, 10% down, no payroll deductions

PLAN III 24 months to pay, 10% down, no payroll deductions

This offer is effective for a short time on any model General Electric Refrigerator. See your local distributor or your foreman.

she leaves Italy to visit France, taking a favored chef with her to make sure that she would be served each day with frozen creams—which only royalty then, could possibly enjoy.

And so it would go. Next, perhaps we would see Sir Francis Bacon, one winter day, order his carriage to halt while he climbs into a snow bank and fills the body of a chicken with snow, intending to discover if the flesh could be preserved longer by such treatment.

Then we would see Michael Faraday, who a hundred years ago succeeded in condensing ammonia gas to a liquid by applying pressure and then cooling. We watch him closely as he removes the pressure and the liquid quickly vaporizes, absorbing heat from its surroundings in the process. Faraday discovers the first principle of mechanical refrigeration!

We would see, about this time, the making of the first commercial shipment of ice, a fast sailing vessel taking it from Boston to Martinique, in the West Indies, to help the battle against yellow fever.

Just before the scenes of the Civil War we would watch the

development of the first practical ice-making machine. It is sent to New Orleans, by sea, the ship successfully running a blockade established by the Northern war vessels, and safely delivering its precious cargo at New Orleans.

We would enjoy, then, the gay 90's in America, that era of the bicycle. Men wear hair on their faces and women wear pompadours. Barber shops are for men only, and lager beer signs hang on all corners. Ragtime is the rage and Chauncey Olcott sings "My Wild Irish Rose" to wildly enthusiastic audiences. Then—a quarter of a century ago—Abbe Audiffren, a French Monk, is seen devising an electric refrigeration machine in which the moving parts are sealed in an air-tight casing. It is extremely successful, so much so that we have some of his machines still in operation, without ever having been refilled with refrigerant gas or with oil.

Serious efforts towards the development of *electrical* refrigerators are then seen. General Electric employees would watch with interest the scenes showing the efforts of the scientists and engineers of the Company in developing simplified electric refrigeration. And within the past five years practical electric refrigerators have been finally developed.

The care and precision put into the manufacture of the General Electric Refrigerator, the developments of the scientists and engineers, the work of expert workmen, and the best materials securable, make it impossible for General Electric Refrigerators to be anything but a highest quality product. Modern merchandising methods, advertising, and efficient organization, have established their leadership throughout the country. Now this new industry is giving work to thousands in our Company, and this new electrical servant is enjoyed in hundreds of thousands of homes. Electric refrigeration is no longer in the luxury class—now it is recognized as a real necessity in the home.

Hazards in Handling Materials

By J. C. VANCE, *Pittsfield Works*

IN our plants every year there are scores of wrenched backs, smashed toes, serious cuts and bruises due to the careless handling of material. And for the purpose of a scientific attempt to determine the causes of these accidents and thus to prevent them we can classify the various methods of handling in five main groups: by human hands, by hand tools, by hand trucks, by power trucks, and by mechanical equipment such as cranes and conveyors.

Human Hands

From a safety standpoint in this simplest form of handling, the main considerations are the size, shape and weight of the object and whether it is corrosive or poisonous. The use of gloves or some kind of mittens will prevent many of the minor difficulties, such as cuts, bruises and abrasions. In all cases, however, it is necessary to study the size and shape of the object to determine whether there is not a more effective and safer way of grasping, lifting and placing it.

Hand Tools

This classification includes the use of such tools as picks, shovels, forks, and crowbars. The most common accidents are strains resulting from the improper use of the tool, or use under unsatisfactory conditions. The following is the generally accepted set of safety principles for the use of hand tools. *First*: Take care in the selection of the tool. Consider both its suitability to the job and the person expected to use it. *Second*: Examine the tool carefully to make sure that there are no loose parts or defects. *Third*: If the tool depends on sharpness for use and efficiency, make sure that

it is always kept sharpened. A dull tool may slip and cause severe injuries. *Fourth*: In carrying and storing sharp tools, make sure that the cutting edges are protected. A pouch or sheath would greatly reduce the hazard.

Hand Trucks

The main dangers in the use of hand trucks come from improper care and poor loading. Make sure that the truck is properly oiled and in good repair. Distribute the load evenly, placing the heaviest objects at the bottom in order to eliminate the danger of tipping over.

Power Trucks

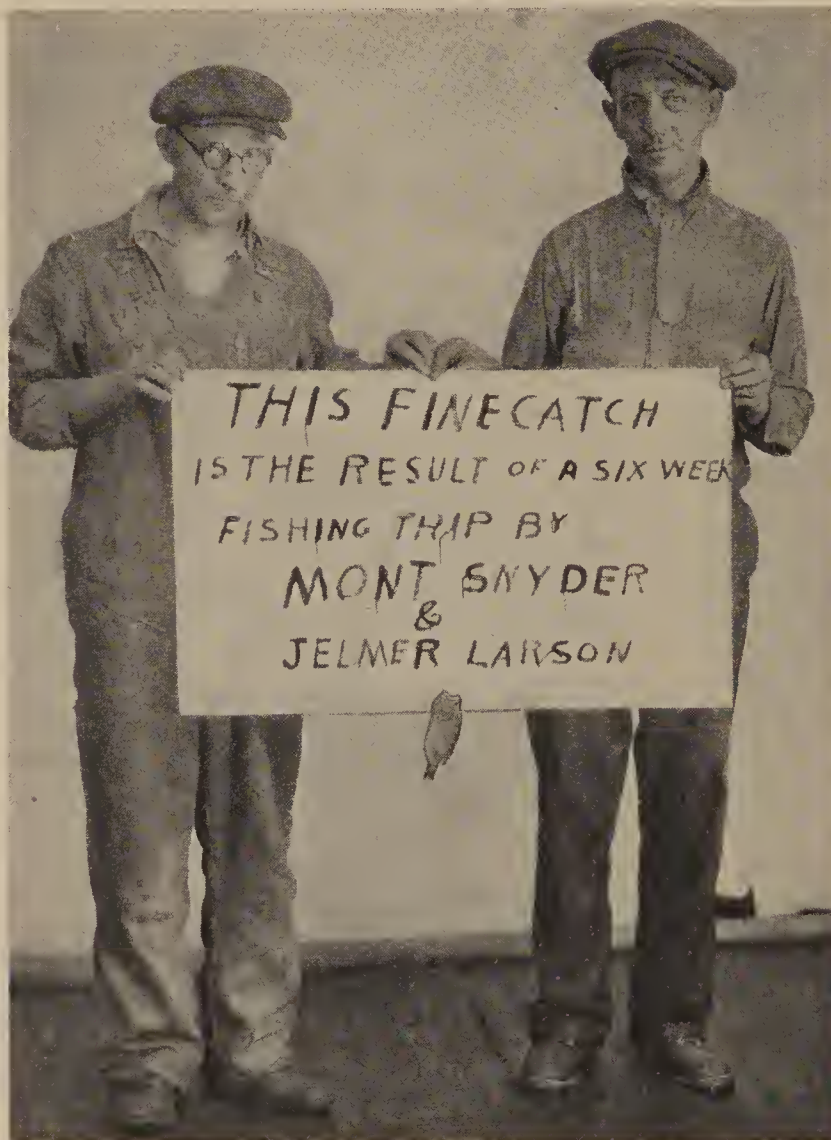
This method includes the use of power trucks both in the plant and on the roads. But we are chiefly concerned in this article with conditions inside the plant. Accidents from the use of these

internal power trucks are caused by overloading, uneven loading, lack of warning signal, poor condition of brakes, excess speed and the narrowness of aisles and passages. Practically all of these conditions can be remedied by proper maintenance, inspection and supervision. If it is necessary to haul trailers, make sure that they are coupled as low as possible to prevent tipping and to give the greatest power and control. Then often it is possible to utilize a special type of body on a truck to take care of objects of special weights and shapes.

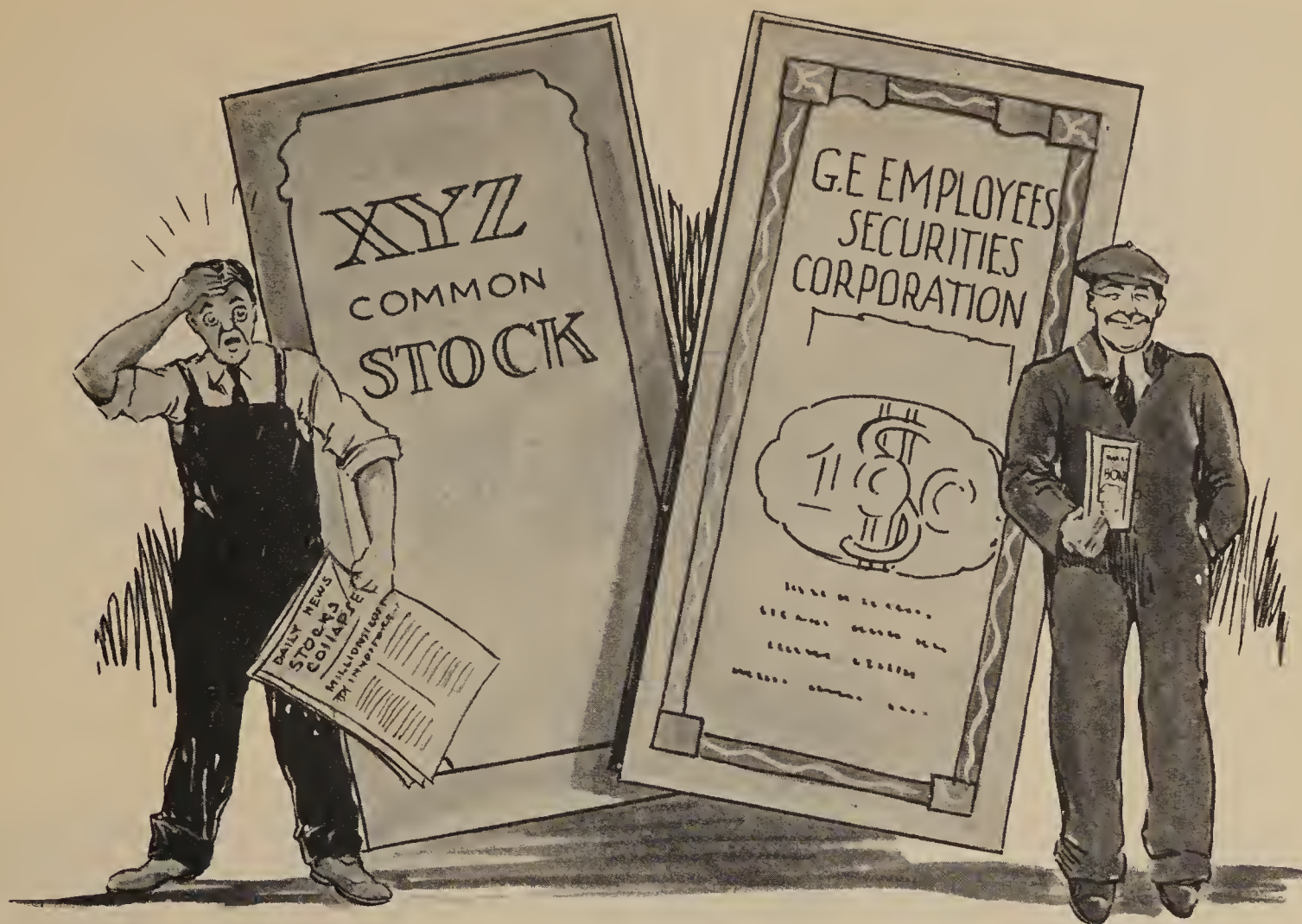
Mechanical Equipment

The hazards in connection with the operation of cranes and conveyors are rather difficult to classify completely. In the main however, most accidents can be avoided

by careful maintenance of operating parts, as hooks, receptacles and cables, and the careful selection and training of operators. Apparatus should be inspected by experts at definitely stated intervals. The operators should be trained especially in the proper hitching of loads. It is through the improper hitching of loads that many accidents occur, and constant supervision will help eliminate this hazard. It is very difficult to state specifically just what the hazards are in a conveyor installation, as the conveyor systems are installed to perform a special type of work. It is necessary to see that all the operating parts, belts, chain rollers, etc., are properly oiled and well guarded. Because of the special adaptation of the conveyor system to the type of work to be done, the hazards will vary with each installation, and a study of local conditions is necessary.



At Last—Two Honest Fishermen! (They're Erie Works Men)



When the Bottom Dropped Out

More Than One Employee Wished He Had Stuck to Securities Corporation Bonds

CRASH in the stock market. Bottom dropped out. Twenty-five billion dollars lost!

Millions of speculators, stock gamblers and even investors in the United States saw their wealth shrink—simply melt away. Twenty-five billion dollars—about as much as the sum of all Liberty Loans combined!

And this amount of money was *lost in ten days!* Perhaps you who are reading this lost some of your hard-earned savings.

But investors in G.E. Employees Securities Corporation bonds lost nothing. Not a cent. The bonds stood like the Rock of Gibraltar, and they *will* stand like the Rock of Gibraltar.

Take the case of two men on January 1, 1929, each with a thousand dollars. The man who put the thousand dollars in Securities Corporation bonds at the beginning of this year still has the thousand dollar bonds, and he will also have \$80

of interest besides, by the time the year is over. But the man who put a thousand dollars into almost any stock on January 1, today has only \$500 or less. And the dividends, if any at all, were probably \$20 or less!

Who are the people who have not been enthusiastic about Securities Corporation Bonds? You will probably find that they were the same people who were chasing the rainbow, and who thought they had found the pot of gold full of profits. But they were only paper profits. They vanished away. In thousands of cases, yes in hundreds of thousands of cases, the speculators not only lost their paper profits, but also lost all the money they had foolishly risked in their gambling experiments.

Speculating in the stock market is a good deal like any other gambling game. You either lose at the start or you lose at the finish. If you don't lose at the start, you win

a little, and then lose it all, whether it's playing the ponies, or roulette, or lottery, or any sucker game.

But the G-E employees bonds not only are safe. They also pay a very handsome return to those who own them.

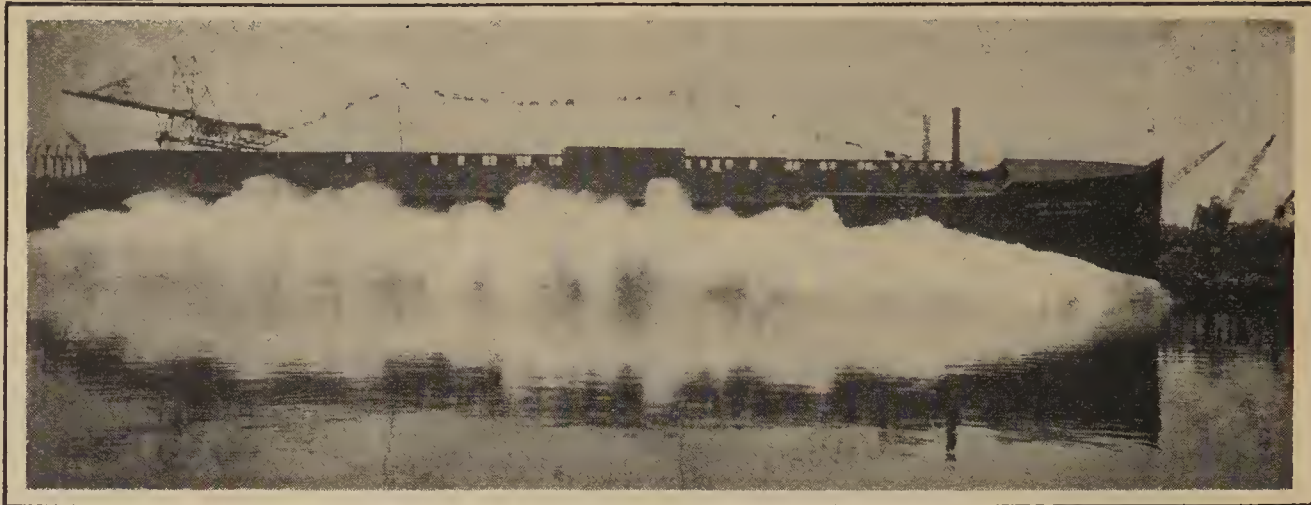
When General Electric stock was pushed up by outside gamblers and speculators to \$400 a share, it paid only 1 per cent on the money invested at that price. Even now G-E stock only pays about 2 per cent to anyone who buys it at the present market price.

No one can stop people who specialize in G-E stock.

But Securities Corporation officials *can* control the price of Securities Corporation bonds. A hundred dollar bond is still a hundred dollar bond—this year, and next, and next. How much better that is, how much surer we are of where we stand, than if we own stock which is \$140 a share on Monday

(Continued on page 10)

Caught by G-E Cameras



The *City of Flint 32*, first electrically-driven car ferry, built for the Pere Marquette Railway for use on the Great Lakes, slides down the ways. Electrical equipment is almost exclusively G-E



Col. E. H. Green, son of the famous Hetty Green, drives his G-E operated Stearns Knight, the first electrically-controlled gasoline-driven car



The world's largest shovel, electrified by G-E, at Fidelity Mine, United Electric Coal Co., DuQuoin, Ill.



This G-E electrified truck sucks up ashes from the cellar and deposits them in a waiting truck without raising dust



Teams of the Burlington, Iowa, high school now scrimmage under G-E floodlights

Around the World



with General Electric

Colorado

Much credit is due W. B. Carroll, of G-E merchandise distributor, Denver, for the efficient and prompt manner in which G-E floodlights were furnished to the state penitentiary at Canon City, Colorado, which was recently the scene of one of the worst prison outbreaks in history. Receiving word of the riot and the need for floodlights about the middle of the afternoon, no time was lost in rendering service. The floodlights were soon traveling by automobile at a record breaking speed to Canon City, 160 miles south of Denver. They were quickly installed, and as darkness fell they played a very important part in preventing any prisoners from escaping and assisted in no small way in aiding the various law-enforcing bodies throughout the night in quieting the mutiny.

California

Negotiations were recently completed whereby the National Broadcasting Company takes over, on October 1, the operation of our Pacific Coast broadcasting station, KGO, at Oakland, and our Rocky Mountain station, KOA, at Denver. The stations remain the property of General Electric. Our Company will continue to operate our short-wave station on the Pacific Coast.

Guatemala

The G-E refrigerator has found a place in hospitals, jails, florist shops, and laboratories, but so far as can be learned, it has never before found a use in barber shops. An enterprising barber in Guatemala, however, where the operation of being shaved is at best distressing, has installed a G-E refrigerator as a storage cabinet for towels. After a shave when the patron's face is still smarting from the soap and sweat, he applies a fresh, cold towel. The refreshing coolness that these towels impart to the skin, is so pleasing in this hot, sultry country, that the shop has become immensely popular.

Wisconsin

Amid the tooting of boat whistles and the grinding of movie cameras, the *City of Saginaw 31*, first of the electrically-driven car ferries being built at Manitowoc, Wisconsin, for the Pere Marquette Railway, slid off greased ways into Lake Michigan. The new ferry represents the first application of turbine-electric drive to car ferries. It is 381 feet long and 58 feet wide, with a capacity of 30 modern 80-ton railroad freight cars. The two G-E generators will develop 7200 hp., and are expected to produce a speed of 18 to 20 miles an hour. The ferry will be one of a fleet plying Lake Michigan between the east and west shores.

Michigan

G-E is now making the most powerful high-pressure turbine-generator ever designed, for Henry Ford's River Rouge Plant, Fordson, Mich. This huge machine will produce 110,000 kw., more than four times the amount of power generated by the two older units it is replacing. Since the power it will produce will be used in the manufacture of Ford cars, it is interesting to compare it with the cars. In the first place, its output exceeds that of 6000 Ford engines. Then its weight is approximately that of 855 Ford sedans, yet the floor space it occupies would provide parking space for only 17 Ford cars. It requires 600,000,000 gallons of water for cooling purposes every 24 hours, and only Einstein could figure how many Fords it would take to use up that much water in a day. One of the important features of the design—of particular value in the Ford plant, where floor space is at a premium—is the small amount of space which is taken up by the new power unit. It occupies the same space as the two units it is replacing, producing, however, four times the amount of power, while using 50 per cent less coal per kilowatt hour.

Little America

WGY has increased its family of short-wave transmitters for the purpose of improving radio service to the Byrd expedition during the spring period as the long night develops into the long day. To the long-wave station on 379.5 meters and the two short-wave stations, W2-XAF on 31.48 meters and W2-XAD on 19.56 meters, WGY has added W2XAC, operating on 34.5 meters. The expedition, therefore, has three different short-wave channels from which to choose its entertainment. The fortnightly program sent to the Antarctic expedition on September 7 used the new transmitter for the first time with good results. As the season of daylight lengthens at Little America, other changes will be made in the wavelength and the antenna to provide signals of maximum quality and reliability for these hardy adventurers.

Massachusetts

Col. E. H. Green of South Dartmouth, Mass., son of the famous Hetty Green, once rated as the world's wealthiest woman, has just bought his 25th car. And undoubtedly it is his most valued car, as it is the only one of the 25 that he drives himself. It is a Stearns-Knight gasoline-driven car equipped with a G-E operating mechanism. There are no gears to shift, the entire operation of the car depending on a foot brake and an accelerator. The engine cannot be stalled without actually cutting off the ignition, and it is impossible to start with a jerk. Even though the accelerator is jammed down to the floor, the pick-up will be gradual. The mechanism developed by G-E engineers consists of a generator bolted to the flywheel housing and a series motor mounted just behind it on the drive shaft. Other novel features of the car are a radio receiving set with dials on the cowl board, and a car top raised high enough to permit Col. Green to enter without stooping. A picture of the car is shown opposite.

Payment of Wages by Check or Direct Deposit

DURING the past few years, methods of payment of wages and salaries of employees have been given a great deal of consideration in this country and the matter has received considerable publicity. The plan adopted for employees of General Electric Company is an optional arrangement whereby the employee receives his pay by check or by direct deposit in his bank account. In order to avoid "peak loads" in cashing checks, payroll checks are distributed on several days of each week, instead of having only one weekly payday as in the past.

Employees at all of our Works are now paid by check or direct deposit with the exception of Schenectady and Erie.

At Schenectady Works, approximately half of the employees are now being so paid and the plan will be extended as rapidly as can conveniently be done.

At Erie Works the change has been delayed until a new bank building being erected by the Law-

rence Park National Bank is completed; this should be by the first of January.

There are approximately 64,000 employees in all, at factories and offices, being so paid; and the hearty support given by the employees evidences the co-operative spirit which exists throughout our organization, and is a source of gratification to the management. A great deal of credit for the sympathetic manner in which the new wage payment plan has been received by employees should be given to the Works Councils and other representative bodies in the various Works. Their assistance in clearing up questions and in explaining the operation of the plan to their fellow employees greatly simplified the change.

With this plan completed, it will no longer be necessary to transport large amounts of cash to our Works for distribution to employees with the danger of hold-up, involving possible loss of life and money.

ishment was one of several that led to the company receiving the Charles A. Coffin award at the annual convention of the American Electric Railway Association at Atlantic City recently. The railway company is headed by Britton I. Budd, president, and C. H. Jones, general manager.

The award of the Charles A. Coffin Foundation, established in 1922 by our Company as a perpetual memorial to its founder and first president, is given to that railway company which during the year has made a distinguished contribution to the development of electric railway transportation for the convenience of the public and benefit of the industry. The award consists of a gold medal to the company and \$1000 in cash to the company's employees' benefit association.

Within four years the Chicago, South Shore and South Bend Railroad, usually called the South Shore Line, has moved figuratively from the scrap heap to the front rank among electric railways of America. By an investment of \$13,000,000, a depreciated and insolvent interurban property has been rehabilitated into a modern high-speed electric railroad. Justification of this large investment, made in the face of former heavy net losses, is indicated not only by the present earning power of the property but by the fact that its preferred stock has found a ready market in the hands of the public. This 90-mile electric railroad now provides service of the highest class with the most modern equipment, directly into the heart of Chicago, at a schedule speed of 45 miles per hour. In addition to the decidedly increased passenger revenue, its freight business was increased even more by means of modern equipment and methods.

(Continued on page 10)

G-E Sales Increases

SALES billed during the first nine months of 1929, announced President Swope, amounted to \$301,812,808.55, compared with \$242,676,762.07 for the corresponding period last year, an increase of 24 per cent. Profit available for dividends on common stock for the first nine months of 1929 was \$47,965,831.71, compared with \$36,910,649.96 for the corresponding nine months last year.

The profit available for common stock for the nine months is equivalent to \$6.65 per share in 1929 and \$5.12 per share in 1928 on the 7,211,481 shares outstanding.

Orders received by General Electric during the first nine months of 1929 amounted to \$337,404,470, compared with \$260,686,463 for the corresponding period a year earlier, an increase of 29 per cent. For the third quarter the orders received were \$116,688,014, compared with \$90,328,666 for the third quarter last year, an increase also of 29 per cent.

A comparative statement of sales and earnings for the nine months is shown at the right.

South Shore Line Wins Coffin Award

ALTHOUGH competing with nine class A railroads and with an ever-increasing number of automobiles operating over well paved highways, the Chicago, South Shore and South Bend Railroad showed a decided gain last year, as compared with 1924, in the number of revenue passengers carried. While many trolley companies have been reporting decreased revenue from year to year, primarily because of private automobiles, the South Shore Line has been showing an increase in the number of passengers carried in 1928 of 8½ per cent over 1927, and 24 per cent more than in 1924. This accom-

	1929	1928
Net sales billed	\$301,812,808.55	\$242,676,762.07
Less: Cost of sales billed, including operating, maintenance and depreciation charges, reserves and provision for all taxes	263,316,462.09	213,350,234.64
Net income from sales	38,496,346.46	29,326,527.43
Other income, less interest paid and sundry charges	11,400,578.35	9,515,097.88
Profit available for dividends	49,896,924.81	38,841,625.31
Less: Cash dividends on special stock	1,931,093.10	1,930,975.35
Profit available for dividends on common stock (7,211,481 84/100 shares issued)	\$ 47,965,831.71	\$ 36,910,649.96

Railroad Electrification Hits Its Stride

Adoption of Electricity Heralds Dawn of New Rail Transportation Era

PERSONS of this busy Twentieth Century have grown used to seeing new things. They have seen the automobile replace the horse-drawn carriage. They have seen the aeroplane develop from a curiosity into an important means of locomotion. They have seen the radio develop from a novelty into a necessity. And they have seen the development of the electric locomotive, as a substitute for the steam locomotive.

Persons living today will probably not see the time when there are no more steam locomotives. Still, the day will sometime come when they are largely replaced by the more efficient electric, gas-electric, and oil-electric locomotives. The greater efficiency and tremendous economies in operating cost of these types mean that the steam locomotive must give way as rapidly as the cost of making over our steam railroads will allow.

General Electric was a pioneer in the cause of railroad electrification, and has figured prominently in most of the great electrification projects to date. The Grand Central Terminal in New York, the Illinois Central Terminal in Chicago, the Detroit River Tunnel, the Moffat Tunnel, and the Cascade Tunnel, are a few of these. The electrification of the Chicago, Milwaukee and St. Paul Railroad also comes to mind as a conspicuous example—and this is still the longest electrified railroad in the world.

During the past year General Electric plants—especially the Erie Works, where our railroad manufacturing is centered—have been at work on material for a number of large electrification orders. And in the future, thanks to a number of recent additional orders, the manufacture of such



The New Cleveland Terminal

equipment will increase.

The Cleveland Terminal

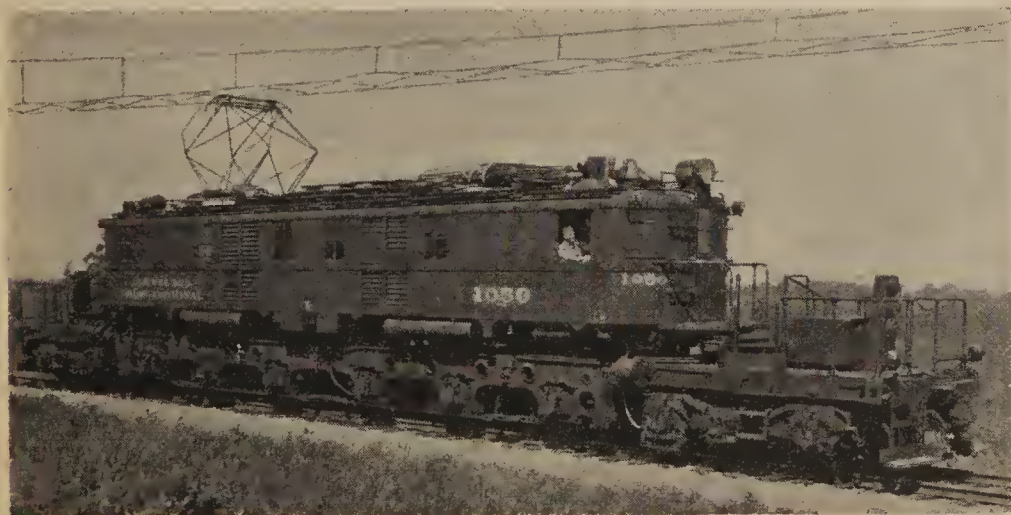
Recently the Erie Works completed the first of a group of 22 locomotives being made for the Cleveland Union Terminal. This huge project, which includes a union station in the heart of the city, a 17-mile electrified right-of-way and a 52-story tower building, is rapidly nearing completion. It will use tracks of the New York Central, the New York Central freightline, the Cleveland Short Line, and part

of the rights-of-way of the Nickel Plate and Big Four lines. The terminal building will have thousands of square feet of office space in addition to the usual terminal facilities, and the tower is already the mecca for hundreds of visitors daily. An elevator carries visitors to the 32nd floor, where they change to a second which carries them still farther up. From this height a wonderful view can be had of the city and of Lake Erie.

The 22 locomotives being made by General Electric for this project will each weigh 200 tons. Each locomotive will have six pairs of drivers, and each pair will be driven by a 1500-volt motor. The locomotives will be able to haul a train of 15 85-ton Pullmans at a speed of 53 miles per hour. The maximum speed will be 70 miles per hour, although a speed of 80 miles per hour may be obtained by changing the gearing.

Oil-Electrics

General Electric will also build 35 128-ton battery oil-electric locomotives for the New York Cen-



One of the Terminal Locomotives



Digging out the railroad track buried under a snow slide. Entrance to the snow shed shown in the background



The eastern portal of the new Cascade tunnel



From the inside looking out



What was left of a locomotive after it had been caught in a snow slide



Lifting a snow bank with a charge of black powder

Views Along the Cascade Route (photos by L. H. Burnham)

tral Railroad. This is the largest order ever placed for oil-powered locomotives, and is the result of the eminently satisfactory service given by the first locomotive of this type, delivered to this railroad in February, 1928. The new ones will be used for switching service in the metropolitan area. The locomotives are equipped with General Electric motors, generators and control equipment, with 300-hp. Ingersoll-Rand oil engines, and with Exide Ironclad batteries. When on duty in sections equipped for third rail or overhead current supply, these engines may also be operated without using either battery or oil engine.

In four years General Electric has received orders for the electrical equipment for 86 oil-electric loco-

motives. Railroads which have ordered them include the Central Railroad of New Jersey, Long Island Railroad, Baltimore and Ohio Railroad, Lehigh Valley Railroad, Chicago and Northwestern Railway, Erie Railroad, Reading Company, Delaware, Lackawanna and Western R. R., Great Northern Railway, New York Central Railroad, Hoboken Terminal, Illinois Central. A considerable number of industrial concerns have also purchased locomotives of this type. A recent order of this kind, for two oil-electrics, has been placed by the Ford Motor Company.

More New York Central

In addition to the 35 oil-electrics which are to be made for New

York Central, an order has recently been placed for electrical equipment for 42 freight locomotives ordered by this road from the American Locomotive Company. These will be used in connection with the West Side development in New York City.

Lackawanna Electrification

General Electric is now at work on orders which include practically the entire equipment for motor cars and substations required for the electrification of the D.L. and W. Railroad between Hoboken, N. J., and Dover, as well as branches to Gladstone and Montclair, N. J. Part of this route is three-track line, part two-track, and one of the branches is one-track. The entire

project involves 70 miles of route and 160 miles of single track.

For this project General Electric will build equipment for 141 motor cars and for a similar number of trailer cars. Equipment includes motors, control, and motor-generator sets. A large quantity of substation equipment, including mercury arc rectifiers, transformers and switching equipment, will also be built by the General Electric.

The Lackawanna handles a heavy commuter traffic between a section of northern New Jersey having a population of 1,250,000, and New York City. For some time many of these commuters have desired electrification, and the desire finally became so strong that business and civic organizations banded together, called upon the management of the railroad, and said that they would agree to an increase in commutation fares, so that they might reap the advantages of the improved service which electrification would make possible. The management promptly authorized the work, and this is the "why" of the Lackawanna electrification.

The Cascade Tunnel

Increased passenger travel following the opening of the Great Northern's eight-mile tunnel under the Cascades is reflected by the purchase from General Electric of four additional 3000-hp. electric locomotives for use on passenger trains over the electrified division. Coincident with the completion of the tunnel last January, the railway's entire route through the Cascades was changed from steam to electrical operation. The saving in time afforded by these and other improvements enabled the Great Northern to cut nearly seven hours from the time of its trans-continental trains.

The new locomotives will be the same type as those now handling the railway's passenger trains. They weigh approximately 530,000 pounds each and are 75 feet long. They are built so that they can be operated in multiples. Each locomotive has six traction motors which deliver power to six axles. The driving wheels are nearly five feet in diameter.

Still Others

Still other orders for railway equipment of various kinds include the following: 14 large synchronous converters with transformers and automatic switchgear equipment, for use in New York subway substations; eight gas-electric locomotive equipments ordered by the International Motor Company; a gas-electric equipment for the Canadian National Railways; three gas-electric cars for the Minneapolis and St. Louis Railroad; and a gas-electric equipment for the Chicago, Burlington and Quincy.

It will be seen from this brief and necessarily incomplete summary of recent progress, that railroad electrification has made enormous strides forward. The steam locomotive, romantic and spectacular as it is, will one day be a thing of the past. In spite of its great contributions toward our country's development, it must eventually give way before its quieter and more efficient brother, the electric locomotive. And it is with pride that General Electric looks at its efforts in the field.

Third Turbine-electric Liner Goes Into New York-California Service

ON Sunday, October 13, the new Panama Pacific liner *Pennsylvania*, one of the two largest merchantmen ever constructed in the United States, glided into New York harbor with 300 guests, fresh from the yards of the Newport News Shipbuilding Company. On the following Saturday she took her place in the New York-California service, sailing on her first voyage with every one of her 800 passenger accommodations occupied.

Representing our Company as guests of the owners on the run from Newport News to New York were W. A. Thorpe, W. H. Wild, W. C. Watson, E. H. Adams, and Louis Rask, Federal and Marine Dept.; C. D. Wagoner, Publicity Dept.; M. C. Fitzgerald, Traffic Manager; G. B. Warren, Turbine Engineering Dept.; and Howard Kuhn, Turbine Sales Dept., all of the General Office, Schenectady; C. F. Scott, Lynn; C. K. West, Philadelphia; J. L. Farrar, New York; J. T. Breymaier, Turbine Engi-

neering Dept.; B. F. Pierce, Marine and Aircraft Dept.; L. P. Schildneck, A-c. Engineering Dept.; H. C. Rextrew, supervisor of production, and P. F. Lathrop, all of the Schenectady Works.

Speaking of the trip, the New York *Herald Tribune* said that the *Pennsylvania* was a "perfect ship viewed from every angle, whether it was with respect to the smooth, silent operation of her turbine electric drive or the layout of her public rooms and passenger quarters. Like her two sister ships, the *California* and *Virginia*, she proved to be vibrationless and scored another

triumph for the builders of her turbine electric propulsion system, which is an all-American development of the General Electric Company."

With the delivery of the new ship the International Mercantile Marine Company, operator of the Panama Pacific Line, completes for the time being, at a cost of about \$21,000,000 one of the most ambitious shipbuilding programs ever attempted by an American company. The *Pennsylvania* will enable the company to maintain fortnightly sailing on the New York to California run. The big ship has a displacement of 33,000 tons, is 613 feet long with a beam of 80 feet, and contains accommodations for 800 passengers, all in outside state-rooms. The cargo holds have a maximum capacity of 10,000 tons of perishable and semi-perishable cargo. At an average speed of 18 knots, the liner will make the 5000-mile run from coast to coast in 13 days.

Read About
G-E Refrigerators
in
This Issue

Safety Contest

THERE has been a general shakeup in the Inter-plant Safety Contest. York now leads since West Lynn dropped to fourth position. Only Oakland, Schenectady, Erie and New Kensington retained the positions held the previous month. The plants stand as follows, an asterisk denoting improvement over the previous month.

DIVISION 1	DIVISION 2
*York	*Erie
*Bridgeport	*Oakland
*Philadelphia	ALL PLANTS
West Lynn	River Works
Fort Wayne	Pittsfield
Bloomfield	*Schenectady
*New Kensington	

When the Bottom Dropped Out

(Continued from page 3)

and worth only \$50 a share on the following Saturday.

Our Securities Corporation bonds are perfectly safe and the 6 per cent on the bonds, plus the extra 2 per cent which the Company pays, is a better return than we can get in any other safe way.

There's an old adage in the world of finance, that stocks which pay big dividends are not safe, and that stocks which are safe do not pay big dividends.

But our Securities Corporation bonds are *both*—they are safe and and they also pay well.

It might be an interesting experiment to ask some of these people who have been lukewarm about the employees bonds, what they think of them today. In the light of their recent experiences, they will probably wish that they had more of them.—C. M. R.

Wins Coffin Award

(Continued from page 6)

In 1924 it required two hours and 55 minutes for the 90 miles between Chicago and South Bend; last year the time was two hours and five minutes, with one train making the trip in one hour and 59 minutes. Fifteen per cent of the main line track has been relaid with 100-pound rail, with automatic block signal protection over the entire open track, and with high-

Death Benefits Paid and Disability Benefits Allowed During September, 1929

Death Claims

Years	Date of death	Employees	Age	Bene-ficiary	Frec-Ins.	Bene-ficiary	Add'l Ins.
<i>Schenectady Works</i>							
11	July 12	Joaquin Viga.....	60	Wife	Yes	Wife	Yes
19	Aug. 26	Frank T. Almy.....	51	Wife	Yes	Wife	Yes
26	Aug. 28	John Zutkowski.....	52	Wife	Yes	....	....
6	Aug. 31	Arthur H. Connolly.....	36	Wife	Yes	Wife	Yes
22	Sept. 3	George L. Hoffman.....	56	Wife	Yes	Wife	Yes
11	Sept. 3	Karl W. Kraemer.....	57	Wife	Yes	Wife	Yes
41	Sept. 3	Anthony Shook.....	65	....	....	Friends	Yes
21	Sept. 4	Frank P. Purdy.....	66	Wife	Yes	Wife	Yes
15	Sept. 8	Alvin P. Wagner.....	58	Wife	Yes	....	....
19	Sept. 13	Charles E. Leavett.....	37	Wife	Yes	Wife	Yes
27	Sept. 19	Andrew Raffay.....	58	Wife	Yes	Wife	Yes
6	Sept. 22	James J. Robinson.....	53	Wife	Yes	Wife	Yes
<i>River Works</i>							
4	July 31	Owen McGoldrick.....	24	Sister	Yes	Sister	Yes
20	Aug. 22	Margaret E. Nolan.....	41	Mother	Yes	Mother	Yes
12	Sept. 9	Joseph Thibedeau.....	47	Wife	Yes	....	....
29	Sept. 10	William F. Dunham.....	69	Wife	Yes	Wife	Yes
<i>Erie Works</i>							
6	Sept. 4	J. Thompson Murray...	24	Mother	Yes	Mother	Yes
<i>Fort Wayne Works</i>							
12	Aug. 21	Arthur W. Hallfeldt....	39	Wife	Yes	Wife	Yes
2	Sept. 5	Faye J. Duff.....	22	Mother	Yes	Mother	Yes
<i>General Office</i>							
19	Aug. 29	John Cook.....	70	Wife	Yes	Wife	Yes
<i>Los Angeles Office</i>							
37	Sept. 5	William P. Cooper.....	59	Wife	Yes	Wife	Yes

	No.	Free Insurance	No.	Add'l Insurance
		Amount		Amount
Claims paid month of September, 1929 ..	20	\$24,588.92	18	\$25,500
Claims paid previously reported 1929.....	266	305,937.41	250	417,500
Total claims paid 9 months, 1929.....	286	\$330,526.33	268	\$443,000

Disability Claims

Years	Date of grant	Employees	Age	Free Ins.	Add'l Ins.
<i>Schenectady Works</i>					
17	Sept. 10	Guiseppe Cannarso.....	50		Yes
25	Sept. 19	Ira S. Schermerhorn.....	59		Yes
<i>West Lynn Works</i>					
17	Sept. 26	Charles H. Lord.....	42		Yes
<i>Incandescent Lamp Dept.</i>					
4	Sept. 29	Rose Krismyer.....	24	Yes	
1	Sept. 29	Florence Daniels.....	20	Yes	
Disability claims granted September, 1929..		2	\$1,400	3	\$4,000
Disability claims previously reported, 1929.		3	3,500	37	59,000
Total disability claims granted 9 mos., 1929		5	\$4,900	40	\$63,000
Total Death and Disability Claims paid since Jan. 1, 1920					\$5,342,804

speed turn-outs installed. Ten new trains were added last year, bringing the total to 78 per day; in 1925 there were only 18 trains per day. Still other features of the South Shore program are free automobile parking for patrons, new passenger terminals, baggage service, co-ordination of rail and motor coach serv-

ice, through-ticket arrangements with railroads, the addition of dining and parlor observation cars, co-operation in state park developments and municipal and civic enterprises, and operation of 3,822,239 car-miles of high-speed passenger service without fatal passenger accident in 1928.



Going to School with General Electric

Business Training Course for High School and College Graduates Offers Real Opportunity

By C. M. RIPLEY

ON a fine fall day, I was driving my car from Philadelphia to Baltimore. Ahead of me, toiling up a hill, was a man carrying a big bundle. As I neared him he stopped, put down his bundle, straightened up and looked around appealingly. He was a young man.

I stopped and asked him if he wanted to go to Baltimore. He said, "Yes, I am going to my home—in Georgia."

So I gave him a lift and learned his story, which was briefly as follows:

After his father had died he found himself the main support of his mother and grandmother. He got different kinds of jobs one after another—on farms, in construction gangs, and for a while in a soap factory. He had been up north as far as Philadelphia, but hadn't made good.

Then I said: "Young man, what is your trade?"

"I haven't any," he replied. "I always had to work for the most I could get per. hour, so I never learned a trade. If I were carrying rocks for 20 cents an hour I would quit that job if I could get 22 cents an hour pitching hay."

He was probably 25 years old and he hadn't learned a trade. He had no special skill to offer the world in return for a good living.

He had no trade because he didn't have the foundation of a continuous training. He had never stuck to one thing long enough to master it. He had not planned for the future. He didn't even know how to drive an auto. So his future was filled with danger—not only to himself, but to society in general. Already he was a drifter—in the ranks of the unemployed. Already at 25 he was tramping the highways.

The one thing that strikes me most forcibly about the General Electric Company as a place of opportunity is that there is an appropriate course of study open to every new employee. In the case of

"Young men who plan to enter business need special training." That, in a nutshell, is the theme of Mr. Ripley's interesting article. If your son is beginning to think about the future, this article may prove interesting to him.

the General Office Accounting Dept., for instance, every new employee is engaged with the understanding that he must enroll in the business training course and "learn the trade." Boys graduating from high school enter a business training course that covers five years. The course for college graduates

varies from two to three years according to the particular work taken at college.

But when they get through with the course, these young men have a "trade"—a profession. They are accountants, and they understand most business principles—especially financial affairs.

The young men who complete this course are trained not merely for the business of the electrical manufacturing industry. Their training is so broad and comprehensive that they are ready to hold many different and important positions—such as accountants, statisticians, cost experts, credit men, budget directors, business managers, etc.—in any manufacturing industry, and even with railroad companies, steamship lines and such organizations. Or they could serve various clients in a consulting or professional capacity.

And in these days of "big business," new lines of work are continually developing which require *special business training*. So these young men are learning a profession which is growing in importance, and which is applicable to any type of industry.

How much better off they are, at 25 years of age, than the poor young man on his weary way to Georgia. These men have a future

and they face it confidently *because they are prepared.*

Every year a group of selected college and high school graduates enters the business training course, which is given at Schenectady. There they receive practical and theoretical training for the specified length of time, while they are employed by the Company.

The practical part of this course consists of the routine clerical work they do—handling the business transactions and commercial and financial statements of our Company.

The theoretical instruction consists of class room work, home work, text book assignments, and lectures. The following subjects are covered: elementary accounting, corporation accounting, corporation finance, auditing, industrial analysis and control, business law.

Although this training course has been in existence for only ten years, many graduates have already worked their way to positions of large responsibility. Following are some of the prominent and responsible positions filled by graduates—all less than 35 years of age: assistant treasurer; assistant secretaries; assistant manager, Publicity Dept.; resident European auditor; chief accountants, associated manufacturing and merchandising companies both foreign and domestic; assistant auditor of disbursements; statistician; assistant statistician; manager, Bureau of Methods; manager, Office Service Dept.; assistants to managers, district and local sales offices; and 25 traveling auditors. This is of course only a partial list of positions held by the graduates.

G-E Now Markets Artificial Sunlight



The New Lamp

A NEW home-type sun lamp, developed as an efficient substitute for natural sunlight in aiding the maintenance of health, has been introduced by the Merchandise Dept. of our Company.

The bulb of the lamp is of special glass that eliminates the shorter ultra-violet rays which, it is said, should be used only under the supervision of a physician. The special glass of the bulb is so designed as to permit only the passage of beneficial rays corresponding to direct sunlight through a clear atmosphere in midsummer. Goggles and other protective devices, therefore, are no more necessary when the sun lamp is used than when a person exposes himself to the natural sun.

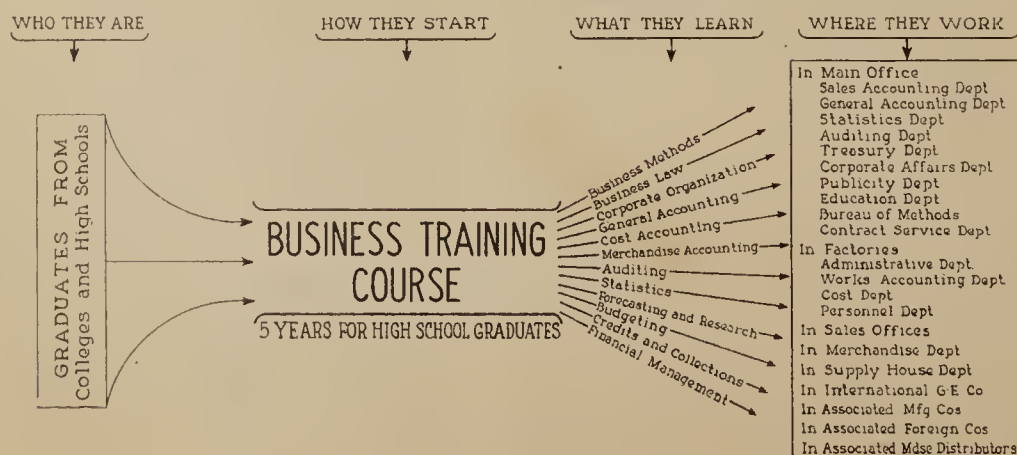
Short, graduated daily exposures reaching a maximum of approxi-

mately 30 minutes under the sun lamp are recommended. This amount of exposure is believed sufficient to produce a gradual tan without burning the skin. The lamp is such that sun baths can be taken during the morning bath or shave, while reading in a reclining chair, or in bed before retiring at night. Children in sun-suits can play indoors under the rays of the lamp, just as they do at the seashore in the summertime.

In external appearance the unit resembles the usual floor lamp. Within an ornamental reflecting shade at the top of the standard is the special light bulb, much like the usual incandescent lamp in appearance. The base of the standard is an ornamental housing enclosing a transformer for reducing the voltage of the ordinary house circuit from 110 volts to the operating potential of the lamp. The unit, which has a conveniently located operating switch in the upright shaft, can be plugged into any convenience outlet, and can be rolled easily from room to room. The lamp reflector is adjustable so that it can be inclined at an angle when desired.

The bulb, also a development of our Company, is distinctly new in design. A tungsten filament and a pair of tungsten electrodes are contained as a unit in the bulb. When the switch is turned on, the filament is lighted to bright incandescence. The heat so liberated quickly vaporizes the small quantity of mercury within the bulb, so that within a second or so a mercury arc is set up between the two tungsten terminals that are attached to the same supports as is the filament. When the arc is fully operated the circuit is completed between the tungsten electrodes, the path of least resistance. This action automatically cuts the filament out.

"Medical authorities declare that sunshine, and particularly the ultra-violet portion, has an important effect in helping to maintain normal health and in aiding the prevention of certain diseases common in childhood," Dr. F. A. Taylor of the Medical Division explains.



GIRLS' SECTION

Elex Week-end at Camp Yarnelle

FOR three days preceding the Elex week-end at Camp Yarnelle October 12 and 13 it rained. But the committee on arrangements went ahead, and on Saturday the sun peeped out, and by the time the Elex Club members had arrived at the Y. W. C. A. it was shining brightly. As the Elex girls did not have quite enough cars at their disposal some of the men at the plant obligingly helped out. These men, Clarence Heuber, Al Konow, Art Mossburg and Arlo Platt, not only took the girls down but called for them.

As soon as the girls arrived, they made a grand dash to reserve beds. Next they trooped down to the social hall and transformed it into a room suitable for the Halloween masquerade dance scheduled for that night.

After the kind of supper for which Elex is famous, the girls entertained themselves with such things as expeditions to Warsaw, boat rides "in the evening by the moonlight" and trips to the so-called "Haunted House." Soon after eight o'clock the dormitory was filled with girls getting into their masquerade outfits. Of course it was "no man's land," so no censoring was necessary.

The "World Famous Ritzi" orchestra furnished the music for the stampede. This orchestra was made up of Erma Linder, pianist, Jeanette Perry at the bass drum which consisted of a pan and a potato masher; Mildred Magers with the tambourine, a lid and a bunch of nails; Marie Smith, ukulele, a real one; Mary Thomas playing the cymbals, two perfectly good tin lids, and Genevieve Magers at the bassoon. President Irene Meyers went around with her usual versatility and substituted on any of the instruments when the regular musicians became incapacitated.

The grand march revealed a surprising array of costumes. Miss Anne Amieson and Miss Irene Fox acted as judges in selecting the prize winners and truly theirs was a difficult task. Jeanette Perry was presented a string of pearls, that have been reposing in the Elex box for the past 13 years, for the most original costume; Louise Lawson and Marie Blough received a Christmas stocking and a paper maché Santa Claus respectively, for wearing the funniest outfits. They were dressed as hoboes. Ruth Schweizer received an automobile for wearing the cleverest outfit. She represented cupid and had a bow

'n everything. Mildred Carrier, as Pierrot, received a doll for the prettiest costume; the doll has been handed down through several generations of Elex Club members and is a priceless possession.

And then came the lunch—Sweet essence of grape juice a la fruit, with doughnuts, and crispo of which there was enough to make everyone feel crisp on the inside.

The midnight show was next on the program, which began with an unsolvable murder mystery in which Marie Blough, Hilda Walda, Louise Lawson and Lela Wise took part. Jeanette Perry gave an interesting reading. Irene Meyers represented a "Lizzi Schlauber" dance. Myrle Strause and Hilda Walda did some acrobatic stunts. Marie Fowler and Erma Linder sang a duet, and Ruth Schweizer and Marie Smith entertained the girls with a series of songs accompanied by guitar and ukulele. Then the girls danced until the wee hours of the morning, after which the dormitory brigade began active operations.

The next morning after a late breakfast a great many of the girls went on a hike. The gorgeous coloring of the trees in the nearby woods combined with the wonderful weather made hiking a real treat.

At noon a delicious chicken dinner with all the trimmings was served and soon afterwards preparations for the taffy-pull on the hill began. Hilda Walda cooked the taffy. And say, she's some taffy cooker! The girls began to assemble as the taffy neared completion. Can you imagine 60 girls all pulling taffy at one and the same time? Some seemed to think the taffy would pull better if it first slipped through their fingers and fell on the ground which was richly covered with autumn leaves. However, with the exception of a few heart-rending casualties, the taffy reached maturity, only to disappear.

Evening was drawing near, and soon the caravan started in the direction of Fort Wayne.

HIKERS

The Elex Girls include a Sunday morning hike in their recent week-end outing at Camp Yarnelle



The Big Time at Camp Yarnelle



Shy



But don't go near
the water



Just out of bed



More pajamas



High steppers



Still sleepy



The gang



On the Way to the Beach at Camp Gray

First Regular Meeting of Elex

ELEX Club members held their first regular meeting for this season in Bldg. 16-2, October 15. It surely was a peppy meeting, with 180 members and Anne Amieson, of the Y.W.C.A., in attendance. A cafeteria supper was served, and while everyone was enjoying the delicious meal, Irene Meyers, the new president, announced that, because a great many of our girls are required to work overtime on Wednesday nights, Elex meetings will be held twice a month, i.e., the first and third Tuesday evenings, instead of every Wednesday night as in former years. The roller skating party at Bell's Skating Rink on November 12 and the Japanese chop suey party for November 19 also were announced. At this latter event the girls are to come in costume. Watch the bulletin boards for details about this affair. A year book with a complete program of the activities for the year soon will be distributed. Classes in bridge, pinochle, fancy, tap and clog dancing, personality and modernistic art are planned and will meet in

Bldg. 16-2 after the supper hour on regular meeting nights. Following this short business meeting Otho Lawson, Maintenance Dept., amused the crowd with a sleight-of-hand performance. After this the girls joined heartily in playing old fashioned games and so rounded out a happy evening.

G-E Club Masquerade Dance

SOFTLY shaded lights, corn fodder standing along one end, fortune telling booths, and a canopy formed by strips of orange and black crepe paper, transformed the G-E Gym into an ideal spot for the G-E Club Masquerade Dance, October 28. The G-E Club Orchestra, disguised as "rubes," furnished excellent music for the dancing of the throng which attended. It would be an impossible task to attempt to describe all of the costumes. Even the judges, Mr. and Mrs. Clem Schneiders, Mr. and Mrs. Fred Schafenaecher, Mrs. E. A. Barnes and I. H. Freeman, had a hard time picking out the prize winners. But finally they agreed that Edith Fuller, Bldg. 19-4, had the cleverest make-up, Thelma Sparks, Bldg. 4-4, in a Martha Washington frock, was the prettiest, and June Frazier, a pupil at North Side High, was the most original little lady present. Then for the men's prizes, Owen Charters, Bldg. 4-3, disguised as a regular old bum, was chosen funniest; Arthur Brockmeyer, Bldg. 17-1, as a Mexican, was selected as the handsomest, and Herman Fenker, Dime Savings and Trust Co., representing the Red Devil, was picked as the cleverest in make-up. "Butch" Vegalues, in his big booming voice, presented the cash prizes to the winners and the dance went merrily on.



The Beach at Camp Gray

Elex Club sponsored the affair and the executive committee, Irene Meyers, Hilda Walda, Mary Thomas, Florence Case, Esther Moll, Marie Blough, Lois Miller and Louise Hilger worked hard to make the dance a big success.

This committee acted as hostesses and appeared as lovely Irish Col-leens. Much credit must, also, be given to Eddie Harkenrider, Mart Einseidel, Paul Grimme, Ed Miller, Phil Weick, Frank Martin, Vic Bradbury and Art Mossburg, who as the G-E Club committee, assisted the girls in making arrangements for the dance. Firemen in uniform on duty during the evening ably handled the crowd.

A Bit About Camp Gray

PERHAPS a bit about Camp Gray would be interesting to our Elex Club members. Camp Gray is near Saugatuck, Mich., amid the picturesque scenery along Lake Michigan. The conference is an annual affair and industrial clubs from all over the central states send delegates. Almost all nationalities are represented among



Romany Day at Camp Gray



Gypsy Wedding

these delegates. Last summer there were 350 girls present. Conference lasts ten days and each day sessions are held during which the groups discuss industrial problems. In the evenings campfires are built and the girls gather around them and sing sunset songs. Then, too, there are hikes, horseback riding, bathing and boating, a Romany Day is celebrated, and on the last night the conference comes to an end with a "lantern chain."

The pictures in this issue, taken at Camp Gray, were submitted by Irene Meyers, Bldg. 19-4, who attended the conference held last July as a delegate from Federation. Marie Smith and Mary Thomas represented Elex Club.

Miss Martina Locher Makes Long Trip to Europe



Last Spring Martina Locher, Fractional Hp. Motor Dept., Bldg. 4-5, took a few months off from work to visit relatives in her native country of Germany. In the following article she tells, in her own way, the story of her trip.

My Trip to Europe

I left Fort Wayne April 22 and sailed on the *Columbus* April 24, arriving in Bremen, Germany, May 4. We had a very fine time on the boat, lovely weather, all kinds of amusements, concerts, dancing and sport, not forgetting the fine food. I left Bremen on May 5 for Umlingen, the home of my relatives, which is in the southern part of Germany near Friedrichshaven, the home of Graf Zeppelin. I stayed with my relatives three weeks, then toured the Black Forest where I saw the most beautiful scenery. At Schramberg I joined a party of friends and visited Lake Constance, which is a very pretty lake. We had lots of fun swimming and boat riding. From there we went through part of Austria and Switzerland. It was now time to return to Friedrichshaven to witness the arrival of the Graf Zeppelin from its round the world trip. The Graf Zeppelin arrived at 8 o'clock in the morning and was a most impressive sight. The town was crowded with people.

Many of them not being able to get rooms, they sat on the street curbing all night. I, myself, slept on a cot in a bathroom, the only accommodation I could get. From there I visited the principal cities of southern Germany. It was now time to leave for home. I returned September 25 on the steamship *Bremen* which took only six days to New York. The weather on this trip was not as nice as it was going over. I met American people wherever I went, which made it very pleasant. All together it was a very nice trip but after all there's no place like the good old U.S.A.

MARTINA LOCHER.

Vera Hevel Honored with Party

CAROLYN Holz entertained the girls in the Payroll and Accounting Dept., Bldg. 18-2, at a pre-nuptial party honoring Vera Hevel, a Payroll Dept. bride of late October. The party was held on October 24 at the home of Miss Holz, 4538 Lafayette Esplanade. Garden flowers decorated the living rooms. The girls spent the evening playing bunco and pinochle, and later in the evening a two-course luncheon was served at small tables. Miss Holz was assisted in serving by her mother, Mrs. Max Holz, and Dorothy Curry, Eva Overly and Alma Olson.

Miss Hevel received a lovely gift from her co-workers: Mildred Davis, Leone Stone, Ruth Bell, Dorothy Bixler, Gertrude Traxler, Laura Redding, Eva Overly, Emily Smith, Ruby Kuhn, Ann Walburn, Devona Pitzengerger, Helen Litot, Edna Voirol, Helen Gnau, Louise Borgman, Marsha Yahne, Henrietta Case, Pearl Quaintance, Marjorie Crick, Blanche Bauer, Alma Olsen, Erma Somers, Eva Burgan, Lena Shull, Naomi Hosler, Hilda Johnson, Opal Hamman, Dorothy Curry and Carolyn Holz.

Radio Transformer Party

AT noon, October 23, a group of employees in the Radio

Mrs. Fay Duff Grunewald, Transformer Dept., who died last month following an automobile accident.



Transformer Dept., Bldg. 26-2, enjoyed a pot-luck dinner party in the department.

Included in the group were: Marie Loudon, Stella Demetroff, Iris Acker, Ruth Hildebrand, Nora Micer, Oma Tharp, Lucy David, Alma Hall, Mildred Hobbs, Myrtle Worman, Thelma Berylan, Deloros Nickelson, Marie DeArmand, Karl Kiel, John Eickhorn and Eldon Braden.

Edna Sarrazen Honored

ON October 3 Louise Borgman entertained the girls in the Accounting and Payroll Depts., Bldg. 18-2, at her home on Fulton St. honoring Edna Sarrazen, an October bride from the Accounting Dept. Games of pinochle and bunco were played and prizes were won by Gertrude Traxler and Mrs. Leone Stone, who in turn presented them to the honor guest. At the conclusion of the games Miss Sarrazen was presented a lovely gift by her co-workers in the two departments. Later a delicious two-course luncheon was served. Garden flowers were used to decorate the rooms.

At the party besides the honor guest and hostess were Alma Olson, Helen Gnau, Henrietta Kase, Gertrude Traxler, Edna Voirol, Ann Walburn, Erma Somers, Evelyn Goodard, Blanche Bauer, Vera Hevel, Ruth Bell, Eva Burgan, Carolyn Holz and the Mesdames Leone Stone, Ruby Kuhn and Mae Virgil.

Weddings

Golden-Jacquay

The marriage of Mary Jacquay, Transformer Cost office, Bldg. 19-2, and Thomas F. Golden was solemnized on October 7, the ceremony taking place in St. Patrick's Catholic Church. Sally Weber, of Gary, attended as bridesmaid and John Jacquay, a brother of the bride, was best man. Later in the day the young couple left on a wedding trip through southern Ohio. Mr. and Mrs. Golden are now residing on South Webster St.

Johnson-Sarrazen

On October 12 the wedding of Edna Sarrazen, Accounting Dept., Bldg. 18-2, and James Johnson, Fractional Hp. Motor Mfg. Stds. office, Bldg. 3-3, took place in the rectory of St. Patrick's Catholic Church, with Rev. Charles Thiele officiating. The bride was attended by her sister, Lucille Sarrazen, as bridesmaid, and Julian Klingenberg as best man. A wedding dinner was

served to the immediate members of the two families at the home of the bride's parents, Mr. and Mrs. Joseph Sarrazen, 3114 So. Monroe St. Later in the afternoon Mr. and Mrs. Johnson left on a southern motor trip. After the middle of November they will be at home in their new residence at 4526 Beaver Ave.

Hyndman-Dixon

On October 19 the marriage of Gladys Dixon, Meter Dept., and Harry Hyndman, Small Motor Dept., was solemnized at the Plymouth Congregational Church with Rev. Arthur J. Folsom officiating. Mr. and Mrs. Hyndman are now at home to their many friends at 4318 So. Wayne Ave.

Henderson-Sheller

Jeanette Sheller, Transformer Dept., Bldg. 26-3, and Ralph Henderson, Bldg. 4-1, were united in marriage October 19. A wedding dinner was served to the bridal party at the Mandarin Cafe and later Mr. and Mrs. Henderson left to spend a week's honeymoon at Tippecanoe Lake. They will reside in this city.

Fagg-Bobay

The marriage of Anna Bobay and Emil A. Fagg was solemnized October 19 at the Cathedral rectory. Clotilda Bobay attended her sister as bridesmaid. Later a wedding supper was served to 20 guests at the country home of the bride's parents. For the past five years Mrs. Fagg has been in the Radio Transformer Dept., Bldg. 26. Mr. Fagg works in Chicago, where they will make their home.

Elliott-Phillips

The marriage of Margaret Phillips and Paul E. Elliott was solemnized October 22. The ceremony was performed by Rt. Rev. Msgr. Joseph F. Delaney at St. Patrick's Catholic Church. The bride was attended by her sisters, Grace Phillips and Celeste Phillips. Austin Centlivre served as best man and Fred Bushman and Lowell Elliott were ushers. Following the ceremony a wedding breakfast was served at the Fairfield Manor and in the afternoon a reception was held at the home of the bride's mother, Mrs. Mary Phillips, 1919 Hoagland Ave. Later in the day Mr. and Mrs. Elliott left on a wedding trip. Mrs. Elliott is in the Service Bureau, Bldg. 18-4, and Mr. Elliott is with the Main Auto Supply Co.

Wilkinson-Flannery

Katheryn Flannery, Service Bureau, Bldg. 19-4, and Eugene E. Wilkinson were married on October 22. Rev. Thomas Conroy performed the ceremony at the Cathedral of Immaculate Conception. The bride was attended by her sister, Mary Louise Flannery, as bridesmaid, and James C. Bradley served as best man. Norbert Berghoff and Joseph Madden were ushers. A wedding breakfast was served at the home of the bride's mother, Mrs. Catherine Flannery, 1126 Fairfield Ave., fol-

lowed by a reception. Later in the day the young couple left on a wedding trip. Mr. and Mrs. Wilkinson are now residing at 4402 John St. Mr. Wilkinson is with the Wayne Home Equipment Co.

Kuker-Rathge

The marriage of Evelyn Rathge and Fred Kuker took place October 22 in the Christ Lutheran Church, with Rev. William Georgi officiating. A short musicale by Frieda Hoffman and Helen Helmke preceded the ceremony. Esther Rathge, a sister of the bride, was bridesmaid, and John Kuker attended his brother as best man. Little Miss Blossom May Wegman, a cousin of the bride, was flower girl. Following the ceremony a wedding dinner was served at the home of the bride's parents, Mr. and Mrs. Henry Rathge of Woodburn. Later the young couple left on a wedding trip. Mr. and Mrs. Kuker are living at 606 Walnut St. Mr. Kuker is in the Radio Transformer Dept., Bldg. 26-2.

Schlup-Ramsey

On October 5 marriage rites were performed by Rev. F. W. Knatz for Lavada Ramsey and Theodore Schlup. Following the ceremony the young couple left on an extensive motor trip through the east and into Canada. They are now living on Walnut St. Mrs. Schlup is in the Small Motor Dept., Bldg. 4-3, and Mr. Schlup works in Bldg. 19-5.

Rodenbeck-Hevel

The marriage of Vera Hevel and Otto Rodenbeck was solemnized by the groom's father, Rev. C. W. Rodenbeck, on October 26, the ceremony taking place at the home of the couple on Glenwood Drive. Thyra Hevel, sister of the bride, and Alfred Rodenbeck, brother of the groom, were the attendants. Following the ceremony an informal reception was held for the guests attending the wedding and a buffet supper was served. Later the young couple left to spend a week's honeymoon at Lake Wawasee. Mrs. Rodenbeck is in the Payroll Dept., Bldg. 18-2, and Mr. Rodenbeck is in the Tool Dept., Bldg. 26-5.

Smile Awhile

After Mr. Brown had raked his yard he took the accumulated rubbish into the street to burn. A number of neighbors' children came flocking about the bonfire, among them a little girl whom Mr. Brown did not remember having seen before. Wishing, with his usual kindness, to make the stranger feel at ease, he beamed upon her and said, heartily:

"Hello! Isn't this a new face?"

A deep red suffused her freckles. "No," she stammered, "it ain't new. It's just been washed."

—*Harper's Magazine.*

"Willie, where did you get that black eye?"

"Johnny Smith hit me."

"I hope you remember what your Sunday School teacher said about heaping coals on the head of your enemies."

"Well, ma, I didn't have any coal, so I just stuck his head in the ash-barrel."

—*Boston Transcript.*



Paris Frock

A black crepe satin with sleek hip line that dips its back hem the new mode demands for afternoons.

The capelet collar that terminates at high waistline at left side is completed with important self-fabric bows to emphasize the molded bodice.

The circular flaring skirt with pointed treatment at front is cleverly shaped with extreme fullness at hem.

Style No. 3135 is designed in sizes 16, 18 years, 36, 38, 40 and 42 inches bust, and takes but $3\frac{7}{8}$ yards of 39-inch material with $\frac{7}{8}$ yard of 39-inch contrasting for the 36-inch size.

The collar, bows, and turn-down flaring cuffs of fitted sleeves use the dull side of the crepe for trimming contrast.

It is a very flattering model for the larger woman, for it gives the figure length, and grace. You'll adore it made of transparent velvet in bottle green, self-trimmed. Printed sheer velvet in red-dahlia tones is a stunning new combination smart women are choosing. Crepe Marocain, crepe de chine and rayon novelty crepe appropriate. Price 15 cents in stamps or coin (coin preferred).

Smart Tailleur

The low placed fullness in skirt is smartly evident in new tailleur in fashionable feather-weight tweed in flattering plum tones.

A wide suede belt in matching shade nips the normal waistline. The turn-over flaring collar and deep turn-back flaring cuffs edged with sheer velvet in deep plum shade, chooses faille silk crepe in lighter tone of same color for smart contrast. A pert bow of the velvet finishes neckline.

Its quite slim and straight at back, with a box-plaited flounce stitched to front in curved and diagonal outline.

Style No. 3070 can be had in sizes 14, 16, 18 years, 36, 38 and 40 inches bust. Size 16 requires $2\frac{7}{8}$ yards of 39-inch material with $\frac{5}{8}$ yard of 35-inch contrasting and $3\frac{1}{2}$ yards of binding.

It makes up splendidly in jersey and is especially swaggy in Hunter's green self-trimmed save for tie of green and white dotted faille silk crepe in yellow-green.

Printed kashmir wool jersey in beige and brown with plain jersey in blending tone, Spanish red canton crepe, dark dahlia flat silk crepe and covert cloth in wine red are practical and chic for all-day occasions. Price 15 cents in stamps or coin (coin preferred).

Send your orders to Illustrated Fashion Features, Inc., Fifth Ave. and 29th Street, New York City.

We suggest that when you send for this pattern, you enclose 10 cents additional for a copy of our Fall and Winter Fashion Magazine.

JUNIORS' PAGE



Dorothy Gebhart with Her Sister Bernice and Her Cousin Raymond

Dear G-E Juniors:

I was very much disappointed because so many of you did not write to me last month. And now I am wondering if you didn't like the puzzle, or you were so busy playing during the few days' vacation from school that you just forgot about it. The correct answer to the October puzzle was *G-E Motor* and I was much pleased with the answers I did get, for they were all right. Prizes were sent to Mary Jane Thomas, Berniece Moore, Dorothea Prange, Raymond Holben and Ruth Swank at Fort Wayne and Sephus Jackson and Kenneth Nyffeler at Decatur. Besides these I received nice letters from Vernn Dove, Dorothy Jockel, Albert and Elmar Devaux at Fort Wayne, and Catherine Jackson, Leo J. Miller, Marion Jackson and Catherine Murphy at Decatur.

I received answers to the puzzle in the September WORKS NEWS from Dorothy Gebhart, Ruth Romaine and Roger Raudebush but they came in too late for us to put their names in the October WORKS NEWS; however we gave credit to the ones that were correct.

Dorothy Gebhart sent me this picture of herself with her little sister Bernice and her little cousin Raymond, and we also have a picture of Donald Earl McKim for our Junior's Page this month. Ber-

niece, Raymond and Donald Earl are not quite old enough to write letters and to solve the puzzles but it will only be a few years until they will be writing to us.

Now the month of November with so many bleak, rainy days is here, and all the bright colored leaves have fluttered to the ground leaving the trees looking so bare and lonely. But then, we have something nice in this month to look forward to, and that is Thanksgiving Day. We will all get a vacation that day, and then there will be the big Thanksgiving dinner to eat. No doubt some of you will go to your grandmothers' for your Thanksgiving dinner, and how you will enjoy it!

In the picture, which is our puzzle for this month, are a number of objects. If you will take the first letter of the name of each object, and arrange the letters right you can spell the name of a national holiday. What is the name of this holiday? I'm sure you'll not find this puzzle too hard, and I hope you will every one write to me this month. I'll be anxiously waiting for your letters.

Yours Sincerely,

Jill



Donald Earl McKim, Two-year-old Son of J. A. McKim, Fr. H. P. Motor Eng. Office

Thanksgiving

We thank Thee for this place in which we dwell; for the love that unites us; for the peace accorded us this day; for the hope with which we expect the morrow; for the health, the work, the food, and the bright skies that make our lives delightful; for our friends in all parts of the earth, and our friendly helpers. Give us courage and gaiety and the quiet mind. Bless us, if it may be, in all our innocent endeavors. If it may not, give us the strength to encounter that which is to come, that we be brave in peril, constant in tribulation, temperate in wrath, and in all changes of fortune, and down to the gates of death, loyal and loving one to another.

—Robert Louis Stevenson.



G-E Sport News

G-E Club Team to Open Season with Ft. Wayne Hoosiers

FIRST call for candidates for the G-E Club team again found quite a mob on the floor trying for positions. Picking eight men for the squad will be a real problem for the manager. Most of last year's players are again out for positions and will probably all be in uniform. At present, Slack looks like the most promising candidate to fill the position left vacant by the death of Luke Belot, star pivot man of last season's five.

Myers, Herbst and Bruce Hamilton are the most likely forward candidates, and Holmes, Spahr and Wisner will probably represent the blue and orange in the guard positions. It is a little early in the season to predict the line-up as there are quite a few men from whom a star may develop.

Manager Ray Lindemuth is busy arranging a schedule and assures the fans that there will be no set-ups on the floor. Every team from the first game until the last will be of high calibre. Those teams giving the club team a real test last season will probably be back again this year, with others which have gained reputations on the hardwood court.

The Fort Wayne Hoosiers will open the season on November 22, with an exhibition game before the opening of the American League schedule. This game will probably fill the hall to capacity and those wishing to see the game had better get their seats early. The Buffalo Seneca Indians, who threw a real scare into the G-E camp last year, will be the opponents in the first game of the regular schedule. The G-E five finally downed the Redskins by the score of 26 to 24 in an exciting battle, the result being in doubt until the final whistle. This game is scheduled for November 29. On December 6, Olson will again offer his Terrible Swedes. This team needs no introduction to G-E fans, and is always a popular attraction.

Ray got a "break" for his booking for December 13, as the Cincinnati Big Four team is passing through Ft. Wayne and will stop off for that night. This team is one of the best in the middle west, defeating the Indianapolis Big Fours 30 points. The latter defeated the G-E Club 20 points on the local floor. The "Straus Says" five of Indianapolis, with Red Fromuth and practically all of last year's Butler University quintet, is booked for December 20. With this array of talent the G-E fans are assured excellent basketball for the winter.

G-E Takes Part in Y.M.C.A. Pioneer Banquet

OVER 130 employees, who have taken part in Y. M. C. A. leagues as members of G-E teams, were invited guests at the Pioneer Banquet held in the association building gymnasium on October 24. This banquet was attended by over 400 people and marked the tenth anniversary of the organization of the Y.M.C.A.'s first city athletic leagues. The tables were decorated by the various organizations represented of which churches, clubs and schools combined numbered 16, commercial organizations 16, and industrial concerns 30. The G-E tables were in orange and blue with models of Edison's first lamp providing illumination. Some of the first fractional horsepower motors manufactured at Fort Wayne and Decatur also were on display.

Fred Duryee, Bldg. 16-3, long identified with G-E athletics, presided as toastmaster. His intimate knowledge of sports and athletes helped to recall many interesting items possibly forgotten by the old-timers in attendance.

E. A. Barnes, affectionately termed the daddy of industrial ath-

letics, recalled that he had missed only one of the semi-annual banquets during the past ten years. Mr. Barnes has probably officiated for, and attended, more games and meets than anyone connected with city industrial athletics. His keen interest and unselfish devotion has meant a lot to amateur competition.

Trophies and awards, won by the different teams during the ten years of league competition, were on display in the lobby along with pictures of the teams. Members of teams during the first year and during the first five years were given special recognition.

L. A. Schwan, general secretary of the Y. M. C. A., pointed out in his address the benefits obtained from the leagues.

In conclusion, the Industrial Baseball League trophy was awarded to the G-E team, and individual gold baseballs to the members. A. Delagrang, Bldg. 19-3, was awarded the trophy for winning the "Y" union derby. Trophies and awards were also made to the various other industrial and commercial teams.

City Amateur Boxing Tournament Schedule

THE first G-E Club city-wide amateur tournament will be held at the gymnasium on November 19. This is open to anyone over 16 years of age in the weight classifications 115 lbs., 125 lbs., 135 lbs., 145 lbs., 160 lbs., 175 lbs., 180 lbs., and up. There is no entry fee. Entry blanks may be secured at the G-E Club, or from Nick Little, the club boxing instructor. The bouts will start at 8:00 p.m. Tickets for admission may be secured in advance at the special price of 35 cents.

On the night of the event the box office price will be 50 cents.

Nick has a sizable class of G-E employees in training, and it is ex-

pected that the event will draw a goodly number of entries from the city at large. All bouts will be limited to three rounds, so plenty of action should be in evidence from the stroke of the gong.

Inter-Dept. Volleyball League

Winter Street continues in the lead, having won all games played in the first round. Emmett Mills, full-back and manager of Small Motors, last season champions, took time out for matrimony, permitting Transformer 1 to lower his team to second place. Games are played Monday and Tuesday evenings, after work.

Team standings:

	Won	Lost	Pct.
Winter Street	12	0	1.000
Small Motor	11	1	.917
Frac. Motor	7	5	.583
G-E Suares	6	6	.500
Meter	5	7	.416
Transformer 1	2	10	.166
Main Office	2	10	.166
Transformer 2	1	11	.085

Y.M.C.A. Industrial Volleyball League

After getting away to a slow start, the G-E entry in the city league practiced a bit of team play, and won some matches. E. G. Stock, Bldg. 3-3, team manager, has selected the following players for the varsity: Bechtol, Beer, Kern, Kuttner, Graf, Hitzfield, Johnson, Kestner, Ridgley, Rhodewald, Spath and Walchle. Two matches of two games each are played every Wednesday evening in the Home Telephone Co. gymnasium.

Inter-Dept. Horseshoe League

V. Slane and W. Stute copped the league trophy by winning a tie play-off with John Blakley and T. Pauley. Determination to wrest the trophy from John Blakley, who has been a member of a winning team for seven seasons, seemed to give impetus to the efforts of Slane and Stute. Mr. Blakley, manager of the league, expressed his appreciation of the interest shown by all of the contestants. Better players are developing, and the games are drawing well. The Hibler-Houser team, although it failed to turn in a win, was out for every game. Real competition is promised for next season, as Blakley will want to regain the league title and hold it.

Team standings:

	Won	Lost
Slane—Stute	11	1
Blakley—Pauley	10	2
Hartman—Miles	9	2
Bridges—Lee	7	4
Anderson—Scheiman	6	5
G. Hahn—Weaver	6	5
C. Faulks—Koch	6	5
Trentadue—N. Faulks	5	6
Hahn—Waldschmidt ..	5	6
Wedler—Doll	2	9
Pace—Porter	1	10
Hibler—Houser	0	11

Inter-Dept. Basketball League

Twelve teams should be entered in the league this season, with six teams in action on Monday and Tuesday evenings

in the Club gymnasium. Response to calls for candidates has been so good that each department should have a team. Referees have been selected with the view of assuring clean, fast games, and an effort will be made to increase the attendance of fans.

G-E Junior Teams Entered in

Y.M.C.A. League

A team comprised of young fellows in the 16-19 years group, has been entered in the Y.M.C.A. Industrial and Commercial basketball leagues. Teams from the various industries and commercial houses will play a round robin schedule of games in the Central High School gymnasium, on Wednesday and Thursday evenings. Winning team of each league will compete for City Junior Y.M.C.A. title.

The Commercial team includes Earl Strouse, 12-2, Owen Stockman, 26-2, and Glen Willits, 12-2, forwards; Calvin Marhenke, 19-5, center; Robert Hunt, 12-2, Glen Straight, 12-2, and Noel Hamilton, 18-B, guards.

The Industrial team is comprised of "Babe" Trentadue, 18-4, John Resler, 26-2, and Howard Steiger, 12-2, forwards; Dick Florent, 27, center; Francis Richards, 17-1, Robt. Griffin, 18-B, and Harold Mosshammer, 6-3, guards.

Noel Hamilton, manager of both teams, is also president of the G-E club, of the Y.M.C.A. Employed Boys' Clubs.

Bowling Results

G-E Club Bowling Team

Leading the Scott Major league with 14 wins, and 4 losses, the G-E Club aggregation of pin spillers is showing the way. Hal Stewart, a former star with the Baby Ruth team of Chicago, is now a member of the Club team. Stewart has an average of 208 for the 18 games rolled. The balance of the team includes W. Doehrmann, A. Knoll, E. Harkenrider, G. Jackson, and F. Quinn.

Standings follow:

Team	Won	Lost	Ave.
G.E. Club	14	4	994
Bender Spec.	13	5	987
Clown Cigarettes ..	7	11	909
Getz Motors	10	8	928
American Legion 47 ..	7	11	909
Kings Spec.	3	15	891

High team—Three Games, G-E Club, 3105.

High team—One Game, G-E Club, 1108.

High Individual—Three Games, H. Stewart, 692.

High Individual—One Game, F. Quinn, 257, A. Knoll, 257.

H. Stewart .. 18-208	F. Carr	18-192
F. Farnan ... 8-208	W. Doehrmann	18-193
G. Jackson .. 18-204	C. Schoenherr	18-194
E. Scott 18-292	F. Zucher	18-195
A. Knoll 18-199	E. Kraft	18-198

Inter-Dept. Bowling League

FIRST HALF SCHEDULE

	ALLEYS				
November	4	2-3	8-5	4-1	6-7
"	11	4-7	6-1	8-2	3-5
"	18	5-6	7-8	3-4	1-2
"	25	2-4	1-3	5-7	6-8

December	2	7-3	2-6	1-8	5-4
"	9	1-5	8-4	7-2	3-6
"	16	3-8	5-2	4-6	7-1
"	23	4-1	6-7	8-5	2-3
"	30	8-2	3-5	6-1	4-7

CODE

Team 1—Winter St., M. Bryan, Capt.
Team 2—Apparatus, T. Schulp, Capt.
Team 2—General Stores, R. Orff, Capt.
Team 3—Fire Dept., E. Miller, Capt.
Team 5—Athletic Dept., E. Harkenrider, Capt.
Team 6—Small Motor, F. Quinn, Capt.
Team 7—Meter Models, A. Knoll, Capt.
Team 8—Meter Dept., C. Auer, Capt.

	Won	Lost	Ave.
Apparatus	6	0	953
Meter Dept.	7	5	940
Fire Dept.	6	3	942
Meter Models	5	7	918
Winter St.	5	7	904
General Stores	4	5	940
Small Motor	3	3	898
Athletic Dept.	3	9	869

High Team—Three Games, Fire Dept. 2987
High Team—One Game, Meter Dept. 1045

INDIVIDUAL AVERAGES

M. Cox 3-222	F. Zucher ... 9-198
G. Jackson .. 12-215	H. Stewart .. 12-198
A. Knoll 12-211	H. Kammer .. 9-198
G. Huber ... 6-202	E. Karkenrider 3-198
D. Voorhees . 9-201	F. Quinn 12-197
Tagmeyer ... 6-201	D. Hamilton . 12-197
I. Schulp ... 6-201	C. Auer 9-197

High Individual—Three Games, G. Jackson 680
High Individual—One Game, A. Knoll 266

Girls' Bowling League

	Won	Lost	Pct.
Transformer	11	1	305
General Service	10	2	314
Meter	7	5	332
Fire Department	7	5	330
Office	7	5	323
Refrigerator	6	6	311
Small Motor	5	7	298
Apparatus	5	7	283
Tool Supply	3	9	261

HIGH IND. SCORE One Game

Lackey	225
Fox	185
Hueber	180

HIGH IND. SCORE Three Games

Lackey	619
Fox	519
Bleke—Hueber ..	502

HIGH IND. SCORE One Game

Fire Department.	437
Small Motor ...	399
General Service.	383

HIGH IND. SCORE Three Games

Fire Department	1109
General Service	1104
Transformer ..	1078

INDIVIDUAL AVERAGES

Lackey	R	12	194
Fox	O	12	157
Hueber	M	12	156
Bleke	F	12	151
Schroeder	S	12	128
Pancake	T	12	127
Fuller	G	12	111
Brady	G	12	104
Valentine	TS	12	103
Case	T	12	101

Foremen's Bowling League

	Won	Lost	Pct.	Ave.
DR 3	9	3	.750	909
Tool Supply ...	9	3	.750	888
Small Motor ...	8	4	.667	899
Fire	8	4	.667	877
Transf.	6	6	.500	882
Meter	5	7	.417	865
Vitaphone	5	7	.417	851
Wire & Insul. .	4	8	.333	857
DR-5	4	8	.333	853
Gen Serv.	2	10	.167	850

HIGH TEAM SCORE One Game

Transformer...	1014
DR-3.....	973
Tool Supply...	972
Small Motor...	972
Wire & Insul...	948
Fire	941

HIGH TEAM SCORE Three Games

DR- 3.....	2872
Small Motor ...	2850
Tool Supply ...	2796
Transformer ...	2752
Fire	2676

INDIVIDUAL AVERAGES

Buuck ... 12	197	Korte 9	179
Huber ... 12	193	Weitzman . 3	175
Hueber ... 9	190	Boutwell . 12	170
Knepple .. 12	183	App 12	170
Long 12	182	Szink 12	169

Meter League

TEAM STANDING AND AVERAGE

Team	W	L	Pct.	Ave.
Elements.....	14	4	778	833
Magnets.....	11	7	611	836
Seals.....	11	7	611	834
Leads.....	10	8	556	842
Registers.....	10	8	556	826
Discs.....	10	8	556	823
Bases.....	9	9	500	834
Terminals.....	8	10	444	826
Pivots.....	8	10	444	821
Jewels.....	7	11	389	821
Covers.....	6	12	333	817
Gears.....	4	14	222	827

HIGH IND. SCORE

One Game	Three Games
Voorhees. (D) 246	Voorhees (D) 633
Erne (S) 245	Hueber (P) 626
Bushing (C) 236	Weick (J) 622
Hueber (P) 236	Lawrence (L) 611
Greek (B) 235	E. Kammeyer (J) 611
Haberkorn (L) 234	Haberkorn (L) 608

HIGH TEAM SCORE

One Game	Three Games
Gears (G) 971	Gears (G) 2671
Covers (C) 958	Leads (L) 2661
Bases (B) 955	Bases (B) 2657
Discs (D) 940	Magnets (M) 2631
Elements (E) 936	Elements (E) 2620
Leads (L) 935	Pivots (P) 2616

INDIVIDUAL AVERAGE

Name	Team	GP	Ave.
Lawrence.....	(L)	18	190
Voorhees.....	(D)	18	188
Hueber.....	(P)	18	186
Miller.....	(E)	18	184
Nieman.....	(G)	18	181
Weick.....	(J)	18	181
Haberkorn.....	(L)	18	180
C. Rump.....	(G)	18	179
Jacobs.....	(R)	18	178
Snyder.....	(T)	18	177

Tool and Equipment Bowling League

TEAM STANDING AND AVERAGE

	Won	L	Ave.	Pct.
Special Tools.....	14	4	823	778
Dies.....	12	6	824	667
Special Machines.....	12	6	824	667
Punches.....	9	9	806	500
Tool Supervisors.....	7	11	809	389
Grinders.....	7	11	803	389
Machines.....	6	12	756	333
Jigs and Fixtures.....	5	13	773	278

HIGH TEAM SCORE

Three Games	One Game
Special Tools... 2575	Dies..... 939
Special Mach... 2567	Tool Supervisors.. 909
Dies..... 2558	Punches..... 908

HIGH IND. SCORE

Three Games	One Game
Hayes..... 631	Stone..... 237
Steward..... 614	J. Franke..... 236
Stahl..... 610	Gerdom..... 225

INDIVIDUAL AVERAGES

	Games	Ave.
Lankenau.....	18	185
Dicke.....	15	182
Gerdom.....	9	179
D. Rehm.....	9	179
Schellhammer.....	9	176
J. Franke.....	15	175
Houser.....	18	174
Lepper.....	9	174
Richter.....	3	174
Tennyson.....	18	173

Transformer Bowling League

TEAM STANDINGS

Team	W	L	Pct.	Ave.
Bells.....	5	1	833	777
Capacitors.....	4	2	666	733
Ignitions.....	3	3	500	785
Signlighters.....	3	3	500	746
Potentials.....	3	3	500	737
Toys.....	2	4	333	748
Oil Testers.....	2	4	333	734
Radios.....	2	4	333	705

HIGH IND. SCORE

One Game	Three Games
Cox..... 245	Cox..... 648
Tagtmeyer..... 244	Tagtmeyer..... 633
Fryback..... 241	Cook..... 606
Cook..... 233	Fryback..... 596

HIGH TEAM SCORE

One Game	Three Games
Bells..... 872	Bells..... 2481
Signlighters..... 867	Ignition..... 2376
Ignition..... 832	Toys..... 2304
Capacitors..... 799	Capacitors..... 2293

INDIVIDUAL AVERAGES

Tagtmeyer..... (S)	190
Cox..... (C)	183
Fryback..... (I)	176
Schlatter..... (B)	176
Cook..... (R)	175
Fink..... (P)	175
Zelt..... (T)	173
Kronmiller..... (O)	171
Meeker..... (R)	168
Magers..... (C)	163

Wire and Insulation League

TEAM STANDING AND AVERAGE

	Won	L	Pct.	Ave.
Mica.....	13	2	867	817
Paper.....	7	8	467	469
Insulators.....	7	8	467	766
Rollers.....	3	12	200	751

HIGH TEAM SCORE

Three Games	One Game
Mica..... 2582	Mica..... 965
Insulators..... 2385	

HIGH IND. SCORE

Three Games	One Game
Hambrock..... 621	Hambrock..... 269
Buckles..... 610	Buckles..... 233
Lallow..... 542	Huffman..... 213

INDIVIDUAL AVERAGES

Hambrock.....	DeWitt.....	161
Buckles.....	James.....	160
Lallow.....	Hendricks.....	158
Schultz.....	Huffman.....	158
Cowell.....	Saaf.....	158

Decatur

Gecode Club

THE Gecode Club girls opened their club year October 9 with a two-course dinner served immediately after work to 17 members. Following the dinner a business meeting was conducted and officers were elected for the year. The new officers installed are Alta Smith, president; Iva Heller, vice president; Olive Walters, secretary; Berneta Omlor, treasurer. Plans were made for a membership campaign. The committee in charge of the campaign is composed of Ethel Tumbleson, Margaret Miller and Dora Miller. The remainder of the evening was spent playing bunco. Prizes were won by Fern Passwater and Miriam Myers.

The second meeting was held in the club rooms on October 23. Following a two-course dinner prepared by Mrs. Liddy and served by Ethel Tumbleson and Dora Miller, each member was asked to send a

telegram. After exchanging telegrams and reading them a number was drawn and Clara Egley received a pretty prize.

Initiation of the 17 new members was carried out according to the following program, the initiates taking the active parts: Solo, by Josephine Anderson; Nursery rhyme, by Margaret Kreisher; "America," by June Miller; "My First Date," by Rosella Inniger; "An Automobile Experience," by Mina Lampy; a Scotch story, by Ireta Shackley; "My Ideas of Married Life," by Etola Gattshall; "Why I Like My Joe," by Pauline Andrews; "Characteristics of an Ideal Man," by Helen Beery; "Yes, We Have No Bananas," by Mary Jane Fritzinger, Marie Reffey, Lena McGill, Hope Harker and and Wilma Chronister.

Weddings

Waldo Echrote, White Armature Dept., and Corrine Reynolds were married October 5, at Louisville, Ky. After a short honeymoon they will reside at their new home, 744 Mercer Ave.

Wilbur Suman, Flange Dept., and Ruth Boerger were married October 2. They are now at home to their many friends on North 9th St.

Forrest Passwater, formerly of the Flange Dept., and Katherine Passwater were married October 12. Following the ceremony the young couple left for Exeter, Calif., where they will make their home. Mr. Passwater expects to enter the restaurant business in Exeter.

Lloyd Baker, Decatur Office, was elected commander of the Adams Post No. 43, American Legion, and Vernon Aurand, Black Armature Dept., was elected first vice commander, on October 14.

G-E Club Basketball

The first call for candidates to represent the Decatur G-E Club in basketball for the coming season was issued for October 15. The team from last year is practically intact and with several new players who are bound to make the boys hustle, we should have a strong team. The team will be under the management of Carl Smith, who has managed for several seasons. High-class basketball is again guaranteed. Season tickets will be on sale November 12.

Shop Early!

A Suggestion Award
Will Come Handy

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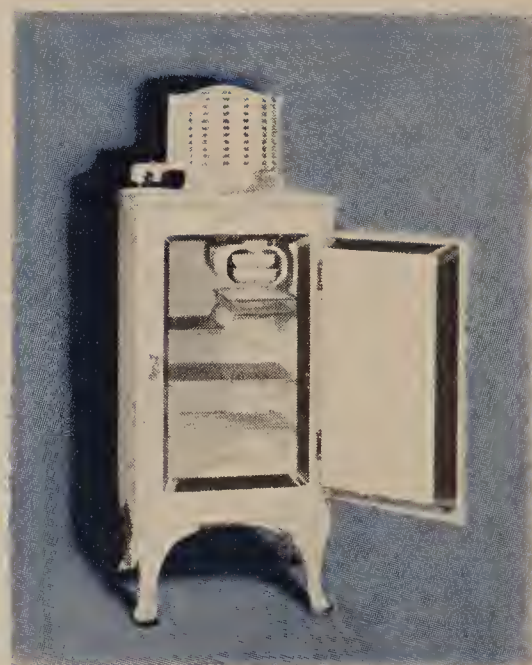
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A NEW discount and payment plan, available only to General Electric employees, is announced. The plan, effective for only a limited time, makes it possible for you, who have been active in producing and presenting the simplified, quiet, economic General Electric Refrigerator, to *yourself* enjoy this household necessity, at prices to meet your budget. This special offer is open for a short time.

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See article in magazine for details

GENERAL ELECTRIC ALL-STEEL REFRIGERATOR



The



Works News

December 20, 1929

A Greeting

THE year 1929 established a new record in the history of the General Electric organization in every department of its activities. There has been definite progress in engineering development, in manufacturing efficiency, in quality of its products and in its service to customers. All of us having the interest and development of the Company at heart, have contributed to this gratifying result.

We look forward to the year 1930 with confidence that we will maintain the position that the Company has achieved, but this can be realized only by an even greater effort on the part of each individual of the organization.

To each one I sincerely wish a very Merry Christmas and a New Year replete with health, energy, and the happiness that comes from a greater contribution to our common cause.

Gerard S. Murphy

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Vol. 13

December 20, 1929

No. 12

The Christmas Party Will Be Best Yet

THE third annual G-E Club Christmas party for children of G-E employees will be held in the Club's big gymnasium on Saturday afternoon, December 21. Preliminary arrangements for this party were started as early as last January when the club president, C. M. Schneiders, appointed a special committee to collect ideas, make plans and have general charge of this affair. Named on this special committee were the following: W. J. Hockett, chairman; M. F. Einsiedel, Wm. Melching, Neal Hench and Esther Moll.

This special committee recently met and made additional appointments and assignments as follows: Wm. Melching and F. J. Goetz, tickets and candy; Neal Hench, balloons; Robert Gollmer, Christmas trees and decorations; Harry Odell, lighting and lighting effects; A. R. Vegalues, clowns and Santa Claus; Marie Blough, the kiddies playhouse; Edward Witte, motion picture entertainment; Paul Dannecker, music; X. J. Divens and A. Konow, publicity; M. F. Einsiedel, layouts and planning; L. E. Klingman, wild animal show; Esther Moll, interior decorations; E. A. Barnes, chairman of display judging committee.

A feature of this year's party is to be the booths arranged by the various manufacturing divisions here at the Fort Wayne Works. Each division is expected to have a booth with something new and especially entertaining to the children and as the various divisions are in competition with each other to produce the prize winning booth, the nature of these displays will be kept confidential until the day of the event. In charge of the Divisional Displays are: Lyle Hodell, Fractional Horsepower Motor Division; Loren Klingman, Meter Division; Elmer Zelt, Transformer Division;

Harry Rohrbaugh, Service Division; Earl Gebert, Wire and Insulation Division; John Schwartz, Refrigeration Division; Walter Mersman, Tool Division; E. W. Steele, Apparatus Division.

The Santa's Workshop idea will be developed further this year and again will produce small toys or souvenirs which will be presented to the children. Oscar Weitzman is arranging this feature.

Toy balloons and the candy treat for the children, the kiddies playhouse, the funny clowns, Santa Claus, the brilliantly lighted Christmas Tree and beautiful outside lighting effects—all will be carried out in the final arrangements for the party this year. There is every

reason to expect that this year's G-E Club Christmas Party for children of local G-E employees will be the biggest and best ever. Over 3500 children were entertained at the party last year.

The hours for the Children's Party have been set at 12:30 to 5:00 p.m. During these hours it is expected that employees who do not have children to take will cooperate in leaving all available space in the gym for the children and their parents who accompany them. Many others, of course, will wish to see the displays and therefore the doors of the gym will be open to G-E employees from 12:00 to 12:30 and again in the evening from 5:00 to 6:00 p.m.

Quarter Century Club Elects Officers

UNDER a new arrangement the various chapters of the Quarter-Century Club located in the several Works of the Company henceforth are to have their own officers and board of trustees. In accordance with this arrangement an election was held December 3 by the local members, resulting in the selection of the following officers: E. A. Barnes, president; F. J. Schwartzkopf, vice-president; J. E. Hall, secretary; W. F. Melching, treasurer; R. O. Orff, E. C. Olds,

Otto Nahrwold, J. F. Smith and Harry Prange, trustees.

This election was conducted by mail ballot, F. G. Duryee, R. F. Harding and A. L. Hadley serving as the nominating and election committee.

As the local chapter is to be, henceforth, self-governing, simply being required to send an annual report of activities to Schenectady, it becomes necessary that the local club establish a Constitution and By-laws. Accordingly the president has appointed the following a special committee to prepare a Constitution and By-laws for the Fort Wayne club: F. J. Schwartzkopf, chairman; E. L. Simpson, J. L. Bireley and F. C. Graffe. This committee is directed to report at a general meeting of all local members to be held in the G-E Club on January 16 at 7:30 p.m.

There are now 123 active members of the Quarter-Century Club at Fort Wayne Works and 29 who are retired on pension.

Season's Greetings

The officers and members of the Works Patrol and Fire Depts., wish to express to all employees of Fort Wayne Works, their appreciation for the co-operation extended them in the handling of traffic and in protecting the property of the Company from loss by fire.



John F. Davis



C. F. Hambrock



William B. Huber



A. M. Underhill



Edward Dubois



R. Taylor

Two Hundred Suggestion Awards Granted

THREE hundred and fifty dollars is the amount of the award made to R. L. Flightner, Bldg. 18-1, on his suggestion that mill copper, a square-edged material, be used in place of round-edge copper for forming the end rings used on certain fractional hp. motors. It is more expensive for the mills to produce the round edge copper, and as there is no advantage from using it in the motor end rings, a saving results. Incidentally Mr. Flightner has received awards on 17 different suggestions, his total in awards being \$725.

E. H. Leitz, Bldg. 26-2, received \$100 on his suggestion of using an electric oven for melting the compound out of rejected transformers. After trial, the method suggested by Mr. Leitz proved to have advantage over that previously used.

An additional award of \$100 was made to Joseph P. Carrick, Bldg. 19-3, on his suggestion regarding the salvaging and re-use of No. 17 babbitt used for bearings in large apparatus. Mr. Carrick's original award was \$40.

Leroy M. Crider, Winter St., was awarded \$75 on his suggestion that additional testing equipment for DR-3 icing units be provided.

C. F. Hambrock, Bldg. 19-5, re-

ceived \$75 award on his suggestion regarding changes to certain dies for producing 1-16 meter phonograph motor punchings.

Frieda Brandyberry, Bldg. 26-3, was awarded \$75 on her suggestion of widening the benches for the stackers of Y-2073 transformers.

Lawrence Duke, Bldg. 26-4, suggested changes to the feed fingers on certain automatic screw machines and received \$50.

A. M. Underhill, Bldg. 6-3, received \$50 on Forms FN-49, FN-418 and W-E requisitions.

John H. Miller, Bldg. 17-4, was granted \$40 additional on his suggestion regarding the repairing of cracked Ediphone cylinders. His original award was \$10.

Frank Doust, Winter St., suggested furnishing arbor for grinding trunion bushings and received \$40.

R. Taylor, Bldg. 22, suggested a means of salvaging certain punchings and received \$40.

Arthur L. Bear, Bldg. 4-1, received \$30 additional on his suggestion that equipment be provided for stacking RSA motor punchings. His original award was \$50.

John F. Davis, Bldg. 26-5, suggested changes to razor blade pivots

on certain machines and received an award of \$30.

H. E. Hawthorn, Bldg. 20-1, suggested use of rubber hose on sand blast in Bldg. 27 and was awarded \$25.

Tony W. Arthur, Bldg. 20-1, suggested changes to contact springs on test conveyor in the Transformer Division that brought him \$25.

John D. Flatter, Bldg. 26-4, received \$25 on suggesting changes to certain jigs in the Meter Division.

William B. Huber, Bldg. 20-1, suggested changes in the turn counters on certain winding machines and received \$25 award.

Leo R. Maple, Bldg. 26-1, suggested changes in the top clamps for certain transformers and received \$25 award.

Edward Dubois, Bldg. 19-5, was awarded \$25 on his suggestion regarding changes in method of packing certain meter shafts for shipment.

Frank McClure, Bldg. 4-2, suggested changes in the wedge die used in the Fractional Hp. Motor Division and was awarded \$20.

Mr. McClure received another award of \$20 on a suggestion regarding the use of air to remove the punchings on slot wedge die.



H. E. Hawthorn



Leroy M. Crider



Frieda Brandyberry



John H. Miller



Leo R. Maple



E. H. Leitz



Arthur L. Bear



Frank Doust



R. L. Flightner



Joseph P. Carrick



John D. Fletter

Walter H. Doenges, Bldg. 26-1, suggested furnishing of a scraper for use in connecting Y-2008 coils and received \$20.

W. W. Foster, Bldg. 27, suggested changes to the milling fixture for float valve bodies and was awarded \$20.

R. L. Flightner, Bldg. 18-1, received an additional award of \$15 on review of his suggestion that certain strip brass used by the Meter Division be ordered in rolls. His original award was \$10.

Carl S. Campbell, Bldg. 19-4, was awarded \$15 on his suggestion that special tables be supplied for use at certain winding machines.

W. C. Walters suggested a change in the method of preparing for the cleaning of certain transformer clamps in Bldg. 26-B and received \$15.

Harold Steel, Bldg. 26-3, suggested improved containers for shellac and stickers used in the Transformer Division and was awarded \$15.

John I. Howard, Winter St., suggested changes in the setting and care of hones and received \$12.50 award.

Twelve awards of \$10 each were granted as follows:

William Rohe, Bldg. 8-1, changes in method of handling wire sent to Dudlo Mfg. Co.

W. L. Gaskill, Bldg. 17-1, salvaging boxing material.

Arthur McNamara, Bldg. 19-5, (additional award), supplying jig for forming certain coil in Meter Divisions. The original award was \$15

Louis D. Hopper, Bldg. 20-1, changes to elevator motor control.

Charles C. Holben, Bldg. 19-4, changes to VR-1 timer rocker arm and shaft.

Elmer L. Abbott, Winter St., inspecting main frames before running on stub lath.

Oral G. Emerick, Bldg. 4-4, furnishing dump truck for shavings.

Ora V. Martin, Bldg. 19-1, installing fuses in potential transformer circuits in Bldg. 19-1 test.

Louis C. Brunner, Bldg. 26-1, installation of additional bench at ignition test in Bldg. 26-1

Fordyce McComb, Bldg. 4-3, supplying double cutters for milling certain worm shafts

Harold Axe, Bldg. 20-1, furnishing a forming fixture for making certain light brackets.

Carl Einsiedel, Bldg. 26-5, providing small motor with chuck for use in the Hardening Dept., Bldg. 26-5.

Five awards of \$7.50 each were made as follows:

Golda Mentzer, Bldg. 26-3, changes in method of cutting copper used in connection with certain shields.

R. J. Snyder, Bldg. 7-2, changes to hand cutter blades used in Wire and Insulation Division

Oscar H. Hobrock, Bldg. 17-1, supplying a power cutter for leads in the Apparatus Division.

Raymond Brown, Bldg. 26-1, supplying soft rubber slab and rack for arbors.

Harry F. McKee, Bldg. 4-2, change to knurls used in Frac. Hp. Motor Division.

• One hundred fifty-five awards of \$5 each were made as follows:

B. C. Batson, Bldg. 4-5, installing shelf for instruments.

Ray Foreman, Bldg. 26-3, utilizing surplus insulating material.

Mae C. Wolfcale, Bldg. 19-4, supplying guards on hand-operated paper-cutting units.

Frank W. Coluter, Bldg. 26-2, he use of Veeder counters on certain winding machines.



Tony W. Arthur



Lawrence Duke

Earl L. Lash, Bldg. 6-B, providing special truck for use at shears.

Sylvester Rodman, Bldg. 26-2, installation of hoist for removing grates at compound tank.

Harlan Voltz, Bldg. 26-2, changes to pressure fixture used for pressing certain transformer cores.

Harry D. Brattain, Bldg. 26-2, the use of motor-driven wrench on certain Transformer assembly operations.

Harry Grim, Bldg. 26-2, change in the method of lapping insulation material on certain transformer coils.

Gorden H. Bartel, Bldg. 19-5, use of special I-16 meters in connection with phonograph motor element tests.

Daniel D. Geary, Bldg. 16-3, supplying guard for motor-generator set.

Lavergne Chaney, Bldg. 26-1, supplying screw-driver socket for power wrench.

Lavada Ramsey, Bldg. 4-5, changes to wire guide on machine.

Geo. F. Huber, Bldg. 12-B, equipping sliding door in Bldg. 12-1 with a metal sheet.

Otto Nahrwald, Bldg. 17-3, equipping tank at grinder with drain valve.

Carl Stenibacher, Bldg. 6-B, supplying guard at band saw.

Robert E. Kallmyer, Bldg. 17-4, supplying guards for motor.

Harry Ganther, Bldg. 17-3, installing light at enameling oven.

Maynard J. Spade, Bldg. 4-5, change to guard at speed lathe.

Emma Hobble, Decatur, equipping winding machines with shelves.

Pat Miller, Decatur, relocating "Fire Gun" in oil house.

L. McIntosh, Decatur, eliminating one of the two files of shipping requisitions.

Louis D. Hopper, Bldg. 20-1, changes to elevator gate.

B. C. Weber, Bldg. 26-5, supplying agitator for hardening tank.

Ruth Martin, Bldg. 19-5, changes to Form DD-573 used in the Meter Division.

Wm. F. Knuth, Bldg. 22, supplying pan for handling material at punch presses.

Raymond H. Trumbower, Bldg. 10-2, providing louver at toilet.

William J. Miller, Bldg. 26-2, supplying trays to facilitate the handling of certain transformers.

Geo. W. Karns, Bldg. 26-5, providing adjustments to filing machine.

Bayless Swift, Bldg. 12-B, rearranging voltmeter at paper-testing machine.

Louis D. Hopper, Bldg. 20-1, providing guard rail on top of Bldg. 9.

Lemuel Carpenter, Bldg. 4-1, rearranging oilers on conveyor chain at oven.

Charles J. Braden, Bldg. 10-2, providing non-slip pads on floor at certain machines.

Geo. R. Hunt, Bldg. 26-5, supplying a radius block for holding end mills during milling operations.

J. B. Grogg, Bldg. 19-4, changes to leads on certain relays.

O. R. Lawson, Bldg. 20-1, supplying a permanent ladder at blowers.

Leo J. Newman, Bldg. 20-1, changes to contactors on punch presses.

Donald M. List, Bldg. 26-2, supplying guard at lead strippers.

Mary Zollinger, Bldg. 19-4, the use of shorter pins for nameplates on certain motors.

Mary Smethers, Bldg. 26-3, providing containers for terminal boards.

Frank Martin, Bldg. 18-1, installation of icing unit drinking fountain.

H. Kammer, Bldg. 4-4, supplying lift trucks for Bldg. 4-4.

Emil Fabian, Winter St., changes at Norton grinders to retain compound.

Elmer W. Filler, Bldg. 26-1, supplying a gauge at paper trimmer.

A. Alspaugh, Bldg. 19-4, changes to certain G-9 Meter parts.

Louis J. Hinen, Bldg. 4-1, changes to conveyor in Bldg. 4-1.

Louis J. Hinen, Bldg. 4-1, change to conveyor frame at oven.

Loren D. Boxell, Bldg. 26-5, providing angle wheel dresser for surface grinders.

Herbert Brockmeyer, Bldg. 26-1, changes to carton sealer.

Paul H. Harting, Bldg. 4-1, replacing winding arbors on Frame 2445 and 2455 armature winding machines.

Gladys Yager, Bldg. 26-2, changes to ventilating pipes at treating tank.

Harold Drage, Bldg. 19-2, supplying additional drinking fountain.

A. Alspaugh, Bldg. 19-4, change to certain meter shaft to facilitate assembly operations.

Paul Hafner, Bldg. 4-5, changes to centering plugs for frame 1236 and 1238 stators.

W. Maloney, Bldg. 26-3, installing hooks for ladders at east end of Bldg. 26-3.

W. M. Moellering, Bldg. 19-4, use of clip instead of cord on certain totalizing relay leads.

Carl G. Hofacker, Bldg. 20-1, using heavier pipes to valves inside of sand blast tanks.

D. K. Hart, Bldg. 19-3, furnishing guard on machine 11756.

G. H. Waldschmidt, Bldg. 18-2, providing special vise for meter experimental department.

Harold C. Gillian, Bldg. 17-3, change at conveyor to keep armatures from being caught.

Joseph J. Koble, Bldg. 26-2, providing a test for certain transformer windings before finishing and assembly.

Dorothy A. Jensen, Bldg. 19-4, furnishing guard for tension device on winding machine.

Walter MacGinnitie, Bldg. 12-2, furnishing guard at motor-driven screw driver.

Paul F. Noffze, Bldg. 26-B, providing a creeper for die setters.

C. W. Barney, Bldg. 20-2, furnishing permanent ladder at power booth.

Dorothy A. Jensen, Bldg. 19-4, installing drip pan under winding machine.

S. F. Alspaugh, Bldg. 19-4, furnishing driving tool for certain meter shafts.

John Runge, Bldg. 26-3, installing drip pan under gang slitter.

Arthur Hyser, Bldg. 20-1, installing tumbler switches on frac. hp. heat run.

Fred L. Thieme, Bldg. 26-B, installing ventilating pipe for ovens.

Herman Kuhn, Bldg. 4-4, rearranging wiring for machine.

Albert E. Miller, Bldg. 26-1, placing cable at Sarco tank in Bldg. 26-1 in conduit.

Eliza E. Prine, Bldg. 19-4, furnishing guard at drill press.

Mary Quinn, Bldg. 4-5, changes in method of listing scrap for inspector's report.

George Ealing, Bldg. 12-1, changes to mold for certain phonograph motor parts.

H. Thomas, Bldg. 19-5, use of 3½ in. material in rolls instead of sheets 12 in. wide.

Oral G. Emrick, Bldg. 4-4, installing walk between certain machines in Bldg. 4-4.

Clarence D. Phillips, Bldg. 22, instructions to show the effect of bad work by operators.

Eveline E. Walters, Bldg. 12-1, furnishing guard at taping machine.

Helen M. Oser, Bldg. 4-4, providing lid for paraffin can.

Ralph Ecenbarger, Winter St., changes to chuck guard on machine 19008.

Kenneth Paul Carr, Winter St., furnishing air valve and device for hose on tube at DR-3 case washer.

Garland Roby, Bldg. 4-4, change to drill jig.

Von A. Eichhorn, Bldg. 26-3, use of insulating material between core and terminal board on certain transformers.

Otto W. Nahrwold, Bldg. 17-3, changes to wheel guard on grinder.

Gen V. Lordier, Bldg. 20-1, furnishing guard on radial press.

Leo Walters, Bldg. 4-5, changes to screw and lead clamp on certain frac. hp. motor model numbers.

Cecil Gordon, Bldg. 17-2, rearranging air chucks at conveyor.

Ralph Ecenbarger, Winter St., installation of piping for compound to first floor.

S. J. Nyboer, Bldg. 20-1, installation of lubricator on air line to certain pressing machine.

H. B. Murphy, Winter St., furnishing Tapalog pyrometer for heat treating department.

Ted H. Gugler, Bldg. 4-2, furnishing guard for riveting machine.

E. Baughman, Bldg. 27, supplying combination lifter and core stick for use in connection with the stacking of certain transformer iron.

George Graue, Bldg. 27, additional award, changes to tooling and machine set up for machining certain refrigerating unit parts. His original award was \$5.

P. Beltz, Bldg. 4-4, furnishing belt guard at lathe.

Avery Spayde, Bldg. 26-3, providing chutes at certain punch presses.

R. L. Flightner, Bldg. 18-1, providing a special stamp for stamping incoming invoices in Order and Stores Dept.

Clair Alcott, Bldg. 8-2, providing guards on certain wire insulating machines.

Dorris D. Proxmire, Bldg. 19-4, changes in method of connecting condenser to bracket of thermostatic device on G-9 heating element.

Louis Steup, Bldg. 19-5, changes to device for testing tension on certain armature assembly in Bldg. 19-5.

George F. Huber, Bldg. 12-B, providing creasers for Cameron slitting machine.

Orville Melching, Winter St., changes to the depth of hole in bearing plates to provide more room for oil strainer on DR-4 and DRA-4 units.

Fred M. Herber, Bldg. 4-3, changes in the method of cleaning trays used for dipping commutators.

James P. Martin, Bldg. 20-1, supplying guard at fire door and sawdust chute.

Eliza Prine, Bldg. 19-4, installing stand and pan for shellacking leads in the Meter Division.

Eliza Prine, Bldg. 19-4, providing suitable racks or shelves for drying leads.

Cleo G. Schnitz, Bldg. 19-4, changes to straightening blocks to take care of the straightening of certain additional worm-wheel shafts in the Meter Division.

Russ W. Carnes, Bldg. 27, installation of guards to keep oil from running on pressing fixture at machine 17970.

Darrel F. Wilson, Bldg. 19-4, changes to slotted brass tubes used on PD demand meters.

Lewis W. Clark, Bldg. 4-4, supplying vise for use in resetting commutators.

Lulu M. Witte, Bldg. 4-1, providing guard over gears at conveyor.

Joe H. Cline, Winter St., changes to doors at float valve room.

(Continued on page 17)



Harry Hire



W. F. Melching



Esther Moll



Alvin Konow



L. J. Schneiders



A. L. Foellinger

Officers for 1930 Elected by G-E Club

HARRY Hire was the choice of the voters for the office of president of the G-E Club when employees of the Broadway and Winter Street Plants went to the polls December 3 to select officers for the ensuing year. The complete list of successful candidates is as follows: Harry Hire, president; William Melching, first vice president; Esther Moll, second vice president; Alvin Konow, secretary; Lawrence Schneiders, treasurer; A. L. Foellinger, member of Board.

Other members of the Board for the new year are: E. A. Barnes, appointed by the Works Manager, Hilda Walda and A. M. Snodgrass whose terms hold over, and C. M. Schneiders, the retiring president, who automatically becomes a director for the ensuing year.

Eighty-four percent of the employees in Fort Wayne voted in this election, showing a widespread interest in the affairs of the Club. The well apportioned vote for the respective candidates indicates a popular selection on the part of the nominating committee: J. H. Evans, chairman; Clarence Hueber, A. C. Hartman, D. Hamilton and Marie Blough.

The amendment to the constitution, effecting a change in the period of the club year, was carried. Therefore, the newly elected officers

will assume office on January 1, 1930, but will hold office only until October 1, as that is the date for the beginning of the club year under the provisions of the amendment. This new order of things will obviate a change in management in the middle of the winter schedule of club activities.

The complete tabulation of votes is given herewith:

For President	Votes
H. E. Hire	3027
Wilbur Young	1966
William Wehrs	1985
No choice	16
For First Vice President	
F. L. Schafenacher	2131
E. C. Foley	628
W. F. Melching	4218
No choice	17
For Second Vice President	
Esther Moll	2642
Lois Miller	2290
Alma Olson	2034
No choice	28
For Secretary	
Alvin Konow	3453
E. J. Zelt	1494
A. J. Rose	2006
No choice	41
For Treasurer	
Lawrence Schneiders	4312
Herbert Mertens	2591
No choice	91
For Director	
G. R. Lindemuth	2025
A. L. Foellinger	2757
Walter Dreyer	2171
No choice	41
Amendment	
For	4046
Against	462
No choice	2486

The election committee was composed of G. H. Waldeschmidt, M. F. Einsiedel and J. T. Fredendall.

Apprentice Alumni Hold Last 1929 Meeting

ON December 3 members of the Apprentice Alumni Association met at 8 o'clock in Bldg. 16-2 for their last regular business meeting of the year. The only business of importance to come before this meeting was the election of four members to serve with the regular officers of the organization in selecting a list of candidates which will be submitted by mail ballot to the entire membership for selection of next year's officers. Members of this nominating committee are: C. Roembke, K. Geller, C. W. Hale and J. Lare. After the consideration of all business matters a light lunch was served and the rest of the evening was spent at social games of cards. There were about 30 members present at this meeting.

The next regular meeting of the Association will be a dinner meeting to be held on the evening of January 21. The results of the mail ballot for new officers will at that time be announced, and the successful candidates will be duly inducted into office.



E. A. Barnes



Hilda Walda

Let Suggestion
Awards Help
Pay for Your Christmas



A. M. Snodgrass



C. M. Schneiders

Did You Know That—

FORT Wayne Works reached its peak in employment during the week ending July 13, when there were 9949 employees on the payroll and that during the week previous 383 new employees were added to the payroll—the greatest increase in any week during the history of our Works.

Eighty percent of all employees at the Fort Wayne Works have elected to receive their wages by direct deposit in banks of their choice.

One hundred percent of all employees at Decatur Plant receive their wages under the direct deposit plan.

Over 200 employees at Fort Wayne have taken advantage of the G-E Housing Plan in financing the purchase of their homes.

The bronze tablets on the base of our Memorial Flag Pole bear the names of 748 employees who gave up their work here to enter service of their country during the World War and that 504 of these applied for re-employment and were re-engaged before December 1, 1919.

The ground level here at the Broadway Plant is approximately 770 feet above sea level, at Winter Street approximately 800 feet and at Decatur Plant 795 feet.

Three hundred and fifty thousand gallons of water are kept in storage at all times in great pressure tanks and cisterns right on the Company's premises, instantly available in case of fire. The 275,000 gallons in storage at the Broadway Plant would furnish water for four lines of fire hose for four and one-half hours.

In regular fire drills it never takes more than four minutes for all women employees in Bldg. 19 to leave the building.

There are 421 employees of Broadway, Winter Street and Decatur Plants now taking instruction in the G-E Night School.

There is now an enrollment of 240 in our G-E Apprentice School.

Over 200 G-E men and women are now taking instruction in First Aid.

Ninety-four percent of the employees of Fort Wayne Works are members of the M.B.A.

The Works Restaurant, catering to employees at the Broadway and Winter Street Plants, is serving around 2000 meals daily.

By conservative estimate Fort Wayne Works has produced 9,380,000 fractional horsepower motor units since their manufacture was started in 1902.

Over 3500 children were entertained at the G-E Club's Christmas Party last year.

Henry C. Lepper Retires From Active Service

ON November 1 Henry C. Lepper, assistant foreman of the blacksmith shop, retired from active service. Mr. Lepper, who is now over 67 years of age, began his work here on December 3, 1894, and therefore has a continuous service record of approximately 35 years. When he started here he



Henry Lepper

was employed in the yard force under Foreman Link Johnson. For about a year and a half he remained on this job and recalls distinctly that there was some mighty heavy lifting to be done. From the yard force Mr. Lepper was transferred to the blacksmith shop and soon thereafter was placed in charge. He previously had served at the trade, first at the City Carriage Plant and later at the Olds Wagon Works. Physical strength developed on the blacksmith jobs, no doubt helped him greatly in the heavy lifting which was required when he was em-

ployed in Link Johnson's force. In all his years here as a blacksmith Mr. Lepper worked in only two locations, first in the old Bldg. 2-E and finally in Bldg. 27. For more than 30 years Mr. Lepper was the foreman of our Blacksmith Shop.

Since his retirement Mr. Lepper says he has been busying himself around home. We understand that there is a Dodge Senior Six out in his garage at 1342 Home Ave., so he and Mrs. Lepper should not lack for recreation as long as the weather is fine.

Firemen Celebrate Thanksgiving Season

ON November 20, the members of the Fort Wayne Works Volunteer Firemen's Association celebrated the Thanksgiving season with an oyster supper of real banquet class. There was everything that could be wished for on the menu and in quantity which allowed the meal to be described as a feast. The Works Restaurant force did a very creditable job in the preparation and serving of this dinner.

November 20 was selected as the date when the firemen might entertain the officers and directors of the Northern Indiana Industrial and Volunteer Firemen's Association. The officials of the N.I.I. & V.F.A. who were present were: Joseph Banks of S. P. Bowser Co., president; R. I. Spaw, of Wayne Knitting Mills, vice-president; H. L. Miller of Dudlo Mfg. Co., Harry Starke of Pennsylvania R. R. all local men, and William Kerfoot of Bluffton and C. B. Moon of Warsaw. F. G. Duryee is secretary of the Association and Chief Paul Grimme of our Firemen who is a member of the Board, were also present.

The after-dinner program was limited to introductions as the visiting guests were scheduled for a regular business meeting immediately following the dinner.

E. A. Miller as chairman, assisted by Dee Hamilton, Cam Shives and William Glenn, composed the committee in charge of arrangements for the affair.

Wanted
All the "Better
Ways" You Can
Think Up

Deaths

Herman Gleitz

HERMAN GLEITZ, a former tool and die maker here at Fort Wayne Works who was retired on pension February 1, 1927, died November 14 at the home of a son, Herbert, in Cleveland, Ohio. Mr. Gleitz began his employment here on January 24, 1907, and during the entire twenty years of active service was a member of the Toolmaking Dept. He was especially skilled in the art of tempering and hardening tools and during his latter years specialized in this important work. Although he was 70 years of age when he retired he had not allowed the advancing years to interfere with his work. Surviving him are his widow, Mrs. Bertha Gleitz, a son Herbert of Cleveland and two daughters, Mrs. Frank Kimmel of Chicago and Mrs. George Baugher, who lives in California.

* * *

Mary Hill

Mary Hill, 23, an employee in the Collector Dept., Decatur Plant, died on November 10 at her home on Adams Street, Decatur, after an illness of several months. Miss Hill first entered the employ of G.E. on June 11, 1925. In the following September, however, she left to go back to school. The next June she was re-engaged and worked throughout the summer, quitting again in September to finish school. On March 29, 1927, Miss Hill began her final unbroken period of service at Decatur Plant. About the middle of last June sickness made it necessary for her to give up her work and she was never able to return. During



Jacob Walker



Mary Hill



Herman Gleitz

Foremen's Association Elects New Officers

AT the annual Thanksgiving banquet held by the Foremen's Association in the Works Restaurant on the evening preceding the holiday, the members elected officers for the ensuing year. These new officers are Russell Harruff, president; Henry Stahlhut, first vice president; Harry Hire, second vice president; I. H. Freeman third vice president; Earl Gebert, secretary; R. J. Hoffman, treasurer.

her active employment she was a member of the Gecode Club and during the season 1925-26 played on the Decatur G-E Girls basketball team. A brother, Robert, employed in the Flange Dept., Decatur, is a member of the Decatur Plant basketball team this year. The funeral of Miss Hill was held from the United Brethren Church at Decatur on November 13 and burial was made in Maplewood cemetery.

* * *

Jacob Walker

Jacob Walker, 48, an assembler in the Apparatus Dept., Bldg. 19-1, died at the St. Joseph Hospital on November 28. Although Mr. Walker had not been able to be at work since Dec. 1, 1928, he had been a patient at the hospital only for three weeks preceding his death.

Mr. Walker began his work at G.E. on October 16, 1922, and during his entire service was employed in the Apparatus Division. His wife, Mrs. Louise Walker, is employed in the Fractional Horsepower Motor Dept., under Foreman A. C. Hartman, Bldg. 17-3.

The funeral was held on December 1 from the residence at 2130 Parnell Ave., burial being made in Prairie Grove Cemetery.

Under the leadership of R. J. Gollmer, the present president, the membership of the organization reached a total of 225, the greatest number in the history of the club. The other officers who have assisted Mr. Gollmer are W. Miller, K. Szink, and A. Druce, vice presidents; A. R. Hall, secretary; and W. Skevington, treasurer.

The Thanksgiving banquet was the occasion of a pleasant surprise for Henry Lepper, a charter member of the Association who recently retired. Mr. Lepper was presented with a lounging robe and slippers from his fellow members in the club, I. H. Freeman making the presentation speech and Mr. Lepper expressing his appreciation in return. Mr. Freeman also gave a talk on the significance of Light's Golden Jubilee, telling many interesting facts about Mr. Edison's great work. An informal social hour closed the program for the evening.

The new officers of the association will be duly inducted into office on December 18, the last regular meeting of the club for this year. President Harruff and his co-officers will have charge of all activities of the Association during 1930.

G-E Squares Have Roller Skating Party

THE first whoopee party on wheels (roller skating party), to be given by the G-E Squares this winter was held on the evening of November 25 at the Bell Rink. This was a well attended and highly enjoyable affair. Although there was an absence of serious injury, which might have given the event preferred newspaper space, yet there were the usual number of cases of lost equilibrium which kept it from being a tame affair. In spite of the careful preparation of Art Chettle, he was numbered with those who were nursing bruises during the following week.

M. W. Adams, chairman of the Squares entertainment committee, says that the next event on the club's social calendar will be a dance. Although the date is not set, it will be held in the near future.

GENERAL ELECTRIC NEWS FORT WAYNE WORKS

Published on the third Friday of each month by the General Electric Co. in the interests of the employees of the Broadway, Winter Street and Decatur Plants.

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Vol. 13 December 20, 1929 No. 12

Noon-Hour Programs

DO you know that the G-E Club is sponsoring a noon-hour program every day until spring fever gets well under way? Every Monday and Wednesday noon a dance is held with a real live orchestra—the G-E Club Orchestra. Every Tuesday and Friday, movies are shown. On Thursdays, of course, the G-E Band broadcasts over the radio for the first half-hour, and then presents a program the rest of the noon hour. All these noon-hour programs are held in the G-E Club gymnasium.

From time to time, special features will be presented during the noon-hour dances. Of course, you know that all these programs are free to the employees. Come over and join the gang when you have finished your noon meal.

Prices of Certain Radiolas Substantially Reduced

EMPLOYEES may have noted that the list prices on Radiolas No. 44, No. 46 and No. 60 recently were substantially reduced. These reductions, no doubt, will make such sets especially attractive to many employees of Fort Wayne Works. The new prices at which such radios are now selling are as follows:

Radiola 44 complete with Radiotrons and 103 Loudspeaker	\$111.50
Radiola 46 complete with Radiotrons	148.50
Radiola 60 complete with Radiotrons and 103 Loudspeaker	138.75
RCA 103 Loudspeaker	18.00
RCA 106 Loudspeaker	35.00

Employees who may be interested are referred to our Employees Store, Bldg. 6-1, for complete information in regard to these or other RCA sets.

RCA sets may be purchased through any one of the following dealers: C. H. Lines Co., 210 West Berry St., Fort Wayne; Rowland Furniture Co., 1108 Calhoun St., Fort Wayne; Baber Jewelry Co., 924 Calhoun St., Fort Wayne; Carl Rose Co., 826 Calhoun St., Fort Wayne; Henry Knapp & Sons, Decatur.

Absent Employees

William Zander, Toolmaking Dept., Bldg. 26-5, is now at his home on John St. recovering nicely from his recent operation.

Richard Spencer, Small Motor Dept., Bldg. 4-5, is now at his home in New Haven recovering from a recent mastoid operation.

Elden Miller, Meter Dept., Bldg. 26-4, who is now at his home, 1015 E. Pontiac St., recuperating from a recent attack of pneumonia, reports that he is gaining strength slowly and hopes to return in a few weeks.

Nora Mizer, Transformer Dept., has been kept from work for several weeks because of sickness but expects to be able to return to work soon.

Fern Geib, Small Motor Dept., Bldg. 17-2, has been absent for several weeks because of an operation, but is getting along nicely now.

G. F. Neiman, Small Motor Dept., Bldg. 4-5, who is now a patient at the Lutheran Hospital is showing marked improvement.

Victoria Cunningham, Transformer Dept., is now at her home in Roanoke, recovering from an operation.

James Blackmore, Carpenter Shop, who has been a patient at the St. Joseph Hospital for several weeks following a serious operation, is now improving and is planning on leaving soon.

Ruth Pohler, Meter Dept., Bldg. 19-4, is now at her home, 1023 Wilt St., regaining her strength following an operation.

George Cherry, General Service Division, is at his home, 1220 Huestis Ave., recovering from an operation.

Lucille Sorg, Small Motor Dept., Bldg. 4-1, recently was able to leave the hospital where she underwent an operation, and is now at her home at Yoder.

Ruth Schweizer, Small Motor Dept., Bldg. 4-5, is now at home, 2021 Pauline St., recovering from an operation.

Ralph Vossler, Small Motor Dept., Bldg. 4-4, who is now at his home, 3420 S. Fairfield Ave., recovering from an operation which he underwent recently, expects to return the first of the year.

Quentin Romey, Small Motor Dept., Bldg. 17-1, is at his home, 1425 Sinclair St., recovering from an operation.

Ruth Hall, Transformer Dept., Bldg. 26-1, is a patient at the Lutheran Hospital undergoing treatment for nervous trouble.

Ralph Hare, Small Motor Dept., Bldg. 4-4, is at his home on Poplar St., recovering from a recent operation.

Herman Hake, Distribution Dept., Bldg. 18-B, is now at his home 322 E. Woodland Ave., recovering from an operation.

Alvin Follis, Small Motor Dept., Bldg. 17-1, a patient at the St. Joseph Hospital, where he underwent an operation, expects to leave the hospital soon.

John Williams, Refrigeration Dept., who is a patient at the Methodist Hospital because of injuries received while on his way from work recently, is improving nicely.

Eugene Martin, Detail Dept., Bldg. 19-5, is now at his home, 317 W. Williams St., recovering from an operation, but reports that he is feeling fine now.

Paul Freeman, Transformer Dept., Bldg. 26-1, who has been absent from work for several months because of an infected arm, is recovering nicely following a recent operation.

David Bryan, Apparatus Dept., Bldg. 19-3, has been kept from work for several weeks because of burns he received in an attempt to save his little daughter when her clothing caught fire.

Esther Rice, Distribution Dept., who underwent an operation at the Methodist Hospital recently, is improving nicely.

Richard Patterson, Transformer Dept., Bldg. 26-3, has been admitted to the Irene Byron Sanitarium for treatment.

William Dannahauer, Small Motor Dept., Bldg. 4-5, who has been confined to his home, 603 Poplar St., for several weeks by illness, is improved but it may be several weeks before he is able to return.

Mary Chronister, Meter Dept., Bldg. 19-4, is confined by illness at her home, 2520 Anthony Blvd.

Lavaun Kurtz, Small Motor Dept., is suffering from a nervous breakdown and has been unable to be at work for several weeks.

Louis Dahlkamp, Works Cafeteria, who is now confined to his home, is improving, and we hope it will not be long before he is able to return to work.

New Bond Issue Announced by President Swope

EMPLOYEES of our Company who on February 28, 1930, will have been in the service of the Company at least six months will be given an opportunity to subscribe for the calendar year 1930 to bonds of the G.E. Employees Securities Corporation upon the same terms as heretofore, according to an announcement made recently by President Swope.

Subscriptions on forms obtainable from foremen or department heads at Works will be accepted from employees as follows:

Plan A—Deductions from earnings at the rate of \$1 per week (beginning with payroll of January 24, 1930) or \$5 per month (beginning with payroll of February 28, 1930) or such multiples thereof as will enable the subscriber to pay for his bonds in full within one year.

Subscriptions will be received beginning December 2, 1929, up to and inclusive of December 28, 1929.

Plan B—Cash in full. Subscriptions will be received beginning December 2, 1929, and at any time during the year 1930, but will be payable only on and after February 10, 1930, in cash or check.

The aggregate amount for which an employee may subscribe under this offering is \$500. "There is no obligation placed upon any employee," said President Swope, "to subscribe to these bonds, which are issued solely to provide a convenient means for employees to save at a favorable rate of income."

Merryle S. Rukeyser, financial writer for the *New York American* and for various economic journals, recently published in the *American* an article in which he praised the G.E. Employees Securities Corporation. This article of Mr. Rukeyser's coming shortly after President Swope's letter entitled "Stocks vs. Bonds" (published in the October 18 *WORKS NEWS*), further emphasizes the fact that stock speculation is no game for the ordinary man.

"Months ago," says Mr. Rukeyser, "when indexes were still recording new peak prices for selected stocks, this column warned industrial managers against the hazard of selling shares to employees at inflated prices. The idea of giving employees a financial stake in the profits of the employing corporation is sound, but it is the business of management to devise plans which will be consistent with the investment needs of individuals of slender resources."

"To speak bluntly, the workman cannot afford to put all his savings in any single common stock. He should, first of all, be encouraged to build up cash reserves in the savings bank. He should also be encouraged to buy insurance—life, health and accident. Then he requires a backlog of bonds and preferred stocks before he is in position to assume the speculative risks of common stocks."

"Inasmuch as the experience in 1921 showed the undesirability of putting resources of a working man in any common stock, the General Electric Company, as long ago as 1923, wisely set up the General Electric Securities Corporation to handle the savings of employees of the General Electric Company. This securities company, incidentally, is now the largest holder of General Electric stock. The company is operated on the theory that the wage earner, who is necessarily a small investor, needs wide diversification of investment risks, and that even the premier industrial stock, by itself, is not suited to him."

"The employees' company is heavily interested in preferred shares of public utilities, a business concerning which the General Electric executives are especially well-informed."

"The General Electric Company itself supplied junior capital, which bears the chief risk of absorbing fluctuations, in the Securities Corporation, and it sells only senior securities, or bonds, to the employees."

Mr. Rukeyser in his article dealt in detail with other plans of a similar nature that have been tried out by companies for the benefit of their employees, and concluded with the statement that "the General Electric plan of selling bonds, which may be redeemed at par on demand seems more especially adapted to the individual of small resources."

Are You Buying Christmas Seals?

THE victims of an earthquake, a flood or a famine get instant sympathy from the public. But tuberculosis works quietly and slowly, and though it brings tragedy into homes right around us, we are seldom aware of it. The National Tuberculosis Association is actively combating the disease.

The work of the organization is carried on through a national association and co-operating state associations and county leagues. The program of work, outlined by the national organization, is in the main

educational, and the local bodies take care of the detailed work, which varies according to local conditions. An important phase of the work is that of research. The organization co-ordinates the work of the various groups of people attempting to determine the nature and the behavior of the disease.

The value of the work done by the National Tuberculosis Association is indicated in the reduction of the death rate in the country since 1904, when the organized fight against the disease began. The task

is by no means completed. Tuberculosis is still the leading cause of death between the ages of 15 and 45, at the very stage of life when death may mean a severe economic and social loss not only to the family and dependents, but to the community as well.

Though the work of this organization is not spectacular, it deserves the support of everyone. The expense of buying a few attractive Christmas seals with their double-barred crosses is not great, but the amount of assistance rendered is.

National Mazda Lamps Become G-E Mazdas

*Change in Name Is Considered to be
Big Asset for Distributors*

NATIONAL Mazda lamps—long a General Electric product—now take the name of General Electric Mazda lamps. This change, just announced by the National Lamp Works of our Company, in Cleveland, is believed by them to be a distinct asset to the lamp distributor.

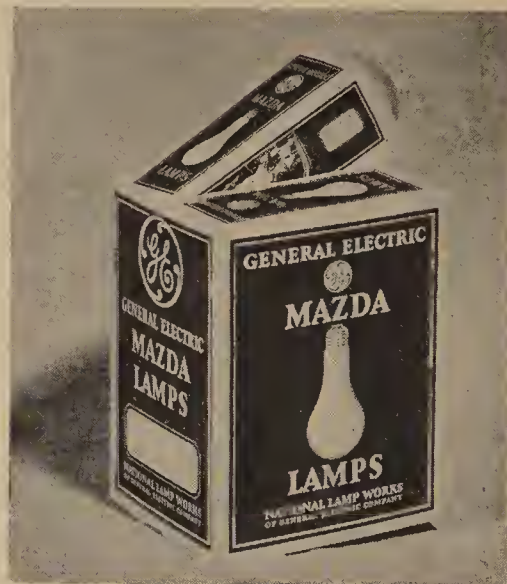
"The new name which is more fully descriptive of our product, will appear on the blue carton of the National Lamp Works during the coming year," said J. E. Kewley, general sales manager. It will be featured in all National Lamp Works advertising beginning in January, 1930.

In discussing the change of name, Mr. Kewley said, "To the incandescent lamps which Thomas Edison gave the world, the General Electric Company and its Mazda research laboratories brought tungsten filaments and gas-filled bulbs that they might burn more brightly—beautiful colors, shapes and inside-frosted glass that they might please the eye as well as protect the vision—and great machines that have reduced their cost as their efficiency increased. As a result one penny will buy more light today than a half dollar could bring forty years ago.

"Paralleling its remarkable incandescent lamp development have been the achievements of the General Electric Company in every field where electricity is used. As a result of this and because of years of advertising, the name General Electric has become a welcome buying guide to the public and a merchandising asset to the distributor of electrical products.

"We know, as we take for our product the name General Electric Mazda lamps, that we are giving our distributors the benefit of all General Electric advertising and good will."

General Electric Mazda lamps will be sold by the National Lamp Works with the same selling organization and through the same channels that distributed National Mazda lamps.



The New Carton

The Edison Lamp Works of our Company will continue to sell lamps under the name of Edison Mazda lamps.

Chicago World's Fair to Be Lighting Marvel

A CITY of light, more dazzling than any invoked by Aladdin's lamp. Buildings with walls apparently made of living colored light, perfectly mirrored in glittering lagoons. Colored images painted on clouds a half mile in the sky. Symphonies of all the hues of the spectrum, played from a gigantic color organ to the accompaniment of symphonic music and chimes.



These are some of the glimpses of Chicago's 1933 World's Fair as seen through the eyes of Walter D'Arcy Ryan, director of the Illuminating Engineering Laboratory of our Company at Schenectady, chairman of the fair committee on illumination.

Mr. Ryan is in Chicago to confer concerning plans for the Century of Progress Exposition with fair officials. Accompanying him are R. F. Shaw, executive secretary of the National Research Council's advisory committee, and J. W. Shaffer, engineer in charge of exposition and pageantry illumination for the General Electric Company.

Mr. Ryan, who was in charge of the illumination of the San Francisco, San Diego, and Rio de Janeiro fairs, declared the 1933 exposition would mark a new epoch in illumination, introducing methods and materials now unknown outside the laboratory and never before seen in actual operation.

"Artificial light has been foremost among the world's achievements of the last hundred years and will play a correspondingly important role at the exposition," said Ryan. "The Columbia Exposition set the pace for the incandescent light by awakening a desire to introduce it into the home, the store and the factory.

"The San Francisco Exposition brought about the new type of street illumination, lighting of skyscrapers by floodlights and various color effects. The 1933 fair will be as great a revelation to the world as the San Francisco fair was in its day. The advance in lighting will be fully as great."

Lights which emphasize the third dimension and bring out details of architectural relief, special water effects, aerial beams, steam smoke and long-range sky projection of pictures, are some of the novelties planned.

The new tricks of illumination may be utilized in picturing the great fire of 1873 as part of the pageant of Chicago's history.

Another feature of the fair will be a series of exhibits dramatizing the story of light from the days of the caveman. Mr. Ryan's sub-committee will have charge.



The Museum of Fine Arts, Cleveland

Moonlighting

New Technique Helps to Beautify Public Building

"MOONLIGHTING," a new development in the science of illumination, has been introduced in lighting the exterior of the new Museum of Fine Arts in Cleveland. It differs from the usual floodlighting of buildings in that the light intensity is but little brighter than the light from a bright full moon, or about the equivalent of a clear moonlight as seen in the rare atmosphere of the southwest.

Located on the shore of Wade Park Lake, flanked by avenues of stately elms and surrounded by well arranged and attractive planting, the museum building with its still reflection in the lake presents a fairyland picture in its robes of soft light, which, according to J. W. Gosling of the Illuminating Engineering Laboratory of the General Electric Company, who designed the lighting, would not be possible with ordinary commercial floodlighting.

"This moonlight is just the proper intensity to harmonize with the

refined architecture of the museum, and it lends that quiet repose and dignity desired in the surroundings of buildings of this character," says Mr. Gosling. "A picture in reality like the setting on a great stage, it is really one of the most charming sights, from an artistic point of view, that I have ever seen."

Two 35-foot decorative cast bronze standards designed in Ionic Greek style, somewhat similar in appearance to street lighting standards, were used in moonlighting the structure. These standards were placed at some distance from the front corners of the building, in line with the trees in the park. Atop

each is a bronze torchiere lantern, closed on three sides and housing three floodlight projectors. To bring out the architecture in relief by softly lighted shadows, 1000-watt incandescent lamps are used in one standard, and 500-watt lamps in the other, with spreadlight lenses and diffusing doors that provide an unequal illumination on the building which gives depth to its form.

The moonlighting of the museum is a gift to the city of Cleveland by the Cleveland Electric Illuminating Company as a permanent memorial to the 50th anniversary of the incandescent lamp developed by Thomas A. Edison. In the base of each standard is a tablet reading "In commemoration of the invention of the incandescent lamp by Thomas Alva Edison, October 21, 1879." The lights were turned on for the first time on the night of October 21, when the entire country was celebrating "Light's Golden Jubilee."

**Suggestion Awards
Help to
Pay for
Christmas**

Here and There With the G-E Camera Man



Madame Curie and Owen D. Young in the academic procession at the dedication of the Madame Curie Laboratory, St. Lawrence University



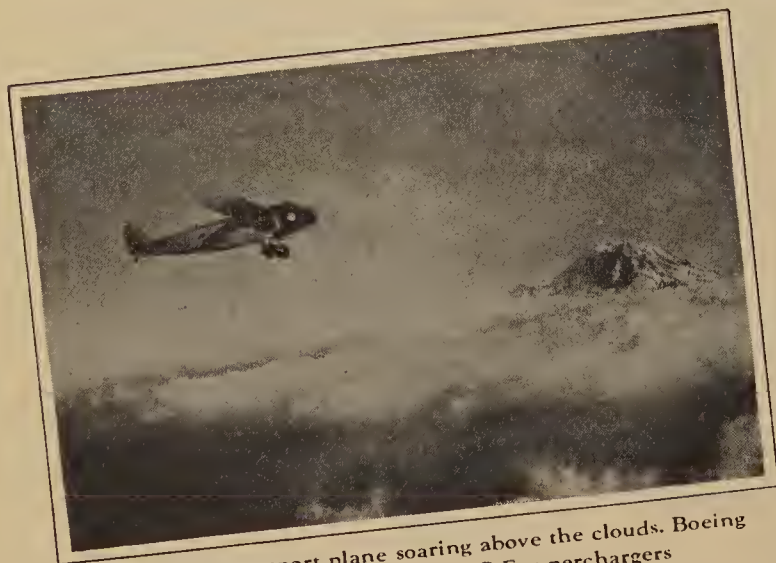
This thoughtful young man prepared for Christmas well ahead of time



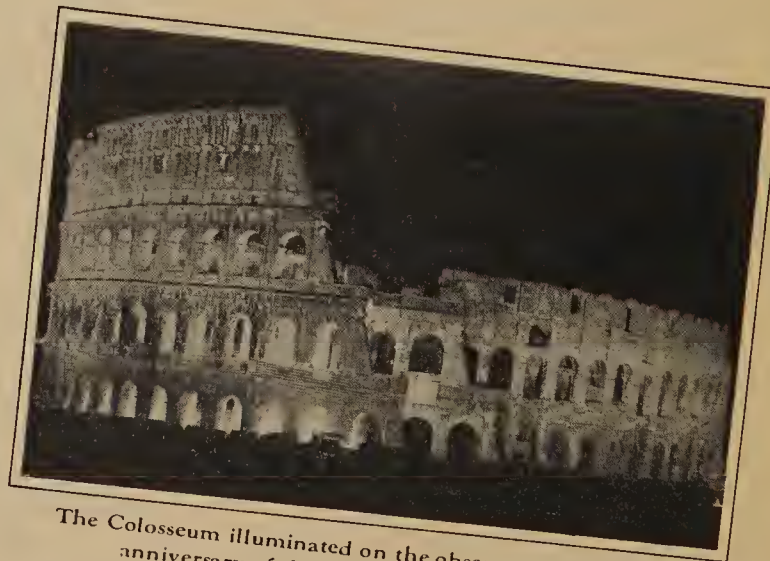
The G-E sunlamp brings sunshine to these kiddies in the nursery



Schenectady, N. Y., high school football field illuminated by G-E floodlights



A Boeing transport plane soaring above the clouds. Boeing planes are equipped with G-E superchargers



The Colosseum illuminated on the observance of the 7th anniversary of the Fascisti march on Rome

Around the World with General Electric

New York

One of the most distressing annoyances suffered by city dwellers—the slamming of ash barrels on the sidewalks at 3 or 4 a.m.—can now be eliminated, thanks to a new application of the gas-electric drive to trucks. This new type of ash-handling truck will empty a standard can of ashes every five seconds for a total lift of about 30 feet without noise and without raising a cloud of dust. It drives up to the location, lowers a telescope pipe into the cellar, sucks up the ashes into a large container, from which they are carried on a belt conveyor to a waiting truck. The entire operation is carried on by electric motors run by the regular gas-driven generator. The air from the compressor, used to suck the ashes up is filtered so carefully that no dust reaches the atmosphere.

Iowa

The Burlington, Iowa, High School and Junior College is—so far as can be learned—the first preparatory institution in the country to illuminate its athletic field with floodlighting projectors. The idea of lighting the field was conceived by the principal, Ray Bracewell. G.E. was given the order on a 30-day trial basis. The apparatus had to reach the field, however, in time for a pageant, which was only three weeks away. With the co-operation of our Lynn Works, the equipment was up and adjusted in plenty of time.

Albany, N. Y.

A trolley car motorman really should have half a dozen hands and arms to do his job right. But since extra arms can't be grafted on people, G.E. has designed a trolley control that requires less hand control. On this new type of trolley, which appeared recently in Albany, the controller and brakes are foot-operated and the gong is hand-operated. When operating the car, the motorman—chauffeur would be more appropriate—has his feet on pedals. One pedal is an accelerator, and the other is a brake.

Costa Rica

Down in Central America where the summers are *really* hot, the G-E refrigerator has again demonstrated its worth. One progressive distributor placed a G-E refrigerator in the display room of the local power company, filled it with food, locked the doors giving the keys to an outside party, and left it for ten days. A great deal of public interest was aroused by this test, and when at the end of the period the refrigerator was opened, a good sized crowd gathered to see the results. Out came the butter, cheese, yeast, tomatoes, cucumbers, alligator pears, pineapples, oranges, pow-paws, the roast of pork and the tenderloin steak in perfect condition. The meats were carved, the fruits and vegetables cut open, the butter, cheese and yeast examined, and then passed around. Everything was perfect. It was indeed a striking demonstration, especially in a country where food spoils so quickly.

Newport News

The *Pennsylvania*, the third electric passenger liner to be built for the Panama Pacific Line of the International Mercantile Marine Co., set out on its maiden voyage on October 19. This company now has more tonnage of electrically propelled passenger vessels than any other company in the world. The *California*, the first to be built, was launched in 1927, and the *Virginia* was launched only last fall. All three vessels are equipped with G-E steam turbines, and electric propulsion motors with the necessary control equipment. In addition, they have G-E equipment for electric steering, cooking, lighting, refrigeration, cargo handling and boat handling. Every effort has been made to provide electrical devices for the comfort and convenience of both passengers and crew. Plans are now underway for still another electric liner.

Massachusetts

Officials of the Priscilla Pearl Co., of Hyannis, Mass., recently bought some pearl essence, a very rare and valuable stuff which has to be kept at a uniform temperature. They wanted a G-E refrigerator to keep it in. Furthermore, they had to have it within a few hours or they would have to buy a competitive machine to keep the precious fluid from spoiling. The dealer in town was out of the model they desired. Instead of letting this opportunity slip between his fingers, however, the dealer phoned "Larry" Holman, of the Electric Refrigerator Co., of New England at Boston, and told him of his predicament. Mr. Holman, who had been with the Royal Flying Corps during the World War, got in touch with the Old Colony Airways Corporation and secured a plane. And the refrigerator was operating efficiently in the Priscilla Pearl Company's plant just 3½ hours after the dealer had called.

Australia

"Seven tons of home happiness," announced a sign on the back of one of two trucks carrying a consignment of RCA 33 radio receivers through the streets of Sydney. Instead of proceeding up back alleys and side streets from the docks to the warehouse, these trucks decked with signs were driven ostentatiously through the main streets of the city. This informal parade not only aroused a great deal of interest, but assured prospective purchasers that they could have prompt delivery.

Morocco

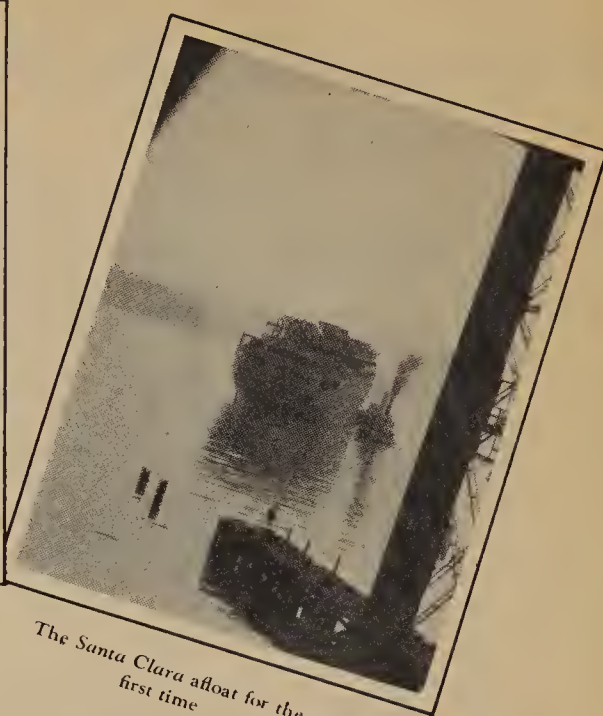
Six large electric shovels have been ordered for some mines in Spanish Morocco. The shovels themselves are of American make, and the electric equipment will be G.E. We are furnishing a 3000-volt motor-generator set, a motor-generator exciter set and direct current motors for the three operations of digging, lifting and swinging.



Miss Nora Grace, daughter of Joseph P. Grace, chairman of the Board of W. R. Grace & Co., was sponsor for the Santa Clara



Sliding off the ways



The Santa Clara afloat for the first time



The Santa Clara eased back to the dock by a few energetic little tugs

Electric Ship Idea Gains New Adherents

THE pioneering work in the field of electric ship propulsion started over 20 years ago by W. L. R. Emmet, consulting engineer of the Federal and Marine Dept., is now beginning to show great results. Electric propulsion has been applied to every form of vessel, ferryboats, private yachts, battleships, oil tankers, passenger boats and now even trans-oceanic liners. The idea, first taken up experimentally, has proved its practical value, and every day brings word of some new application.

The WORKS NEWS has previously run stories about the electrification of the two U. S. Navy airplane carriers, the *Lexington* and the *Saratoga*, and the three passenger vessels now in service of the International Mercantile Marine Co.

Within the past few months, things have been happening quickly.

The second Diesel-electric ferryboat, built to run between New York City and the Manhattan State Hospital on Ward's Island, received its official trials on November 6. All the electric equipment on this boat is of G-E manufacture. This new boat brings the total of electric ferryboats in New York harbor up to 12.

The *Santa Clara*, new electric passenger liner of the Grace Steamship Company, was launched on November 14 at Camden, N. J. This vessel, with complete G-E electrical equipment not only for propulsion but also for handling and for every convenience of both passengers and crew, will run between New York City and western South American ports. The *Santa Clara* has a capacity for approximately 600 passengers and 6000 tons of freight, and an overall length of 499 feet.

The first of the two high-speed electric ferries being built for the Great Lakes service of the Pere Marquette Railroad had its dock trials during the week of November 23, and the second is expected to have its trials soon. Both boats are equipped with G-E turbine-electric propulsion units.

Two Diesel-electric tankers are to be built for the Lake Tankers Corp., a subsidiary of the Shell Oil Company of St. Louis, Mo. Each tank will have a capacity of 6000 barrels of oil, and will be completely equipped with G-E apparatus.

The first electric passenger vessels for trans-oceanic service are to be built shortly for the Dollar Steamship Line. Two vessels over 600 feet long, with G-E turbine-electric propulsion, and complete auxiliary electric equipment, are to be constructed for this company.

Bananas

G-E Oil-Electric Locomotives Haul Them From the Plantations to Seaport in Panama

WE sing about bananas, buy bananas, eat bananas, and see bananas everywhere, but few of us know more about them than that they come from some vague place down south. It happens that G.E. has sold two oil-electric locomotives to the Chiriqui Land Company for hauling bananas from their outlying plantations in Panama to the seaport of Puerto Armuelles. And G. L. Hoddy, one of our Transportation Dept. engineers from the Erie Works, who recently returned from Panama after placing the locomotives in service, has told some interesting stories concerning bananas and the people who grow them.

The culture of bananas is distinctly different from that of any other crop. They grow, of course, only in a tropical climate, and the first step in starting a plantation is the clearing away of underbrush. This step is perhaps the hardest task to be met, for the lush, tropical vegetation is so heavy that it is impossible to walk more than ten feet without cutting some away. After the ground is cleared, banana sprouts are planted 16 feet apart. In about one year these sprouts will be full-fledged trees each bearing one bunch of bananas.

From that time on it is only necessary for the overseers to look after the cultivation of the plants. As the trees are allowed to grow in clusters

Loading Bananas on a Fruit Steamer at Puerto Armuelles



of five, they shade the ground to such an extent that practically no other vegetation will grow under them. After a tree has matured and borne its one bunch of bananas, it is cut down and allowed to decompose in order to enrich the soil. The numerous sprouts that come up at

for more than a period of 10 to 20 years. Where the ground receives a fresh layer of silt each year from the overflow of the rivers during the rainy season, the rule does not hold. In Costa Rica, for instance, there are some plantations over 50 years old. The land in this region, however, is practically unlimited, and wholly unsuited to the cultivation of other crops, so it is a comparatively simple matter to start another plantation after the ground on the old one is worked out.

The plantation on which the G-E locomotives are now at work, is but a year and a half old and yields about 6000 bunches of bananas a week. Within the next five years when the plantation is fully developed, the managers expect to ship about 700,000 bunches a week. And the G-E locomotives will play an important part in getting this enormous crop to outside markets.

The people in Puerto Armuelles and in the vicinity of the plantation are surprisingly Americanized, said Mr. Hoddy. The seaport is a comparatively new town, and living conditions are similar to our own, with, of course, changes to suit the warm, damp climate. Our nationally advertised products are sold everywhere under their American names. The streets and squares are full of automobiles, mostly the new type of Fords.

Farther inland, the people live in adobe houses, painted pale blues or pinks, with sun-baked tile roofs. The design of the houses shows the influence of Spain. They are open and simple, with flat roofs. As the



The Hitching Post at the Native Village, Esparenza, Six Miles from Puerto Armuelles

the base of every tree are kept carefully trimmed, with the exception of one that will be allowed to grow to replace the tree when it is cut down.

If all the trees were planted at the same time, of course, there would be but one crop a year. But these clusters of five trees are so cultivated that each cluster will bear fruit at intervals of two or three months, thus spreading the crop over the entire year.

A banana plantation, however, cannot stay in the same place forever. The plants take so much richness from the soil that one plantation cannot produce bananas of a commercial grade



One of the G-E Oil-Electric Locomotives in Service on the Main Line



One of the Old Steam Locomotives Hauling a Train
Through the Plantation



Unloading One of the New G-E Locomotives at Puerto Armuelles

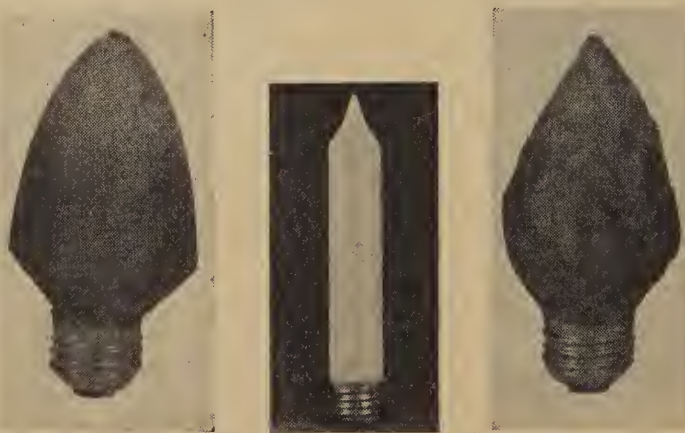
country is generally mountainous, there are few roads. But in spite of this, every small town has its share of automobiles. And at the town hitching post, Fords, horses, mules and oxen hob-nob about together.

In this land of startling contrasts, G-E oil-electric locomotives, the latest developments in the field, are running side by side with the ox cart. It is a sign of swiftly changing conditions, the adaptation of a slow civilization to the developments of a swift one. And G-E is doing its part in demonstrating to these people the efficiency and economy of electric power.

A New Series of Decorative Lamps

THE Incandescent Lamp Dept. has announced a series of seven new Mazda decorative lamps, in three definite shapes, two of them in three color combinations each. The lamps are referred to as candle, gothic and modernistic flame.

The candle-shaped lamp is made in plain ivory. The list price is 75 cents. For more severe styles of design and architecture, brackets and fixtures, a gothic type Mazda lamp has been created. It is furnished in plain ivory, black on ivory and rose on gold. The lamp lists at 50 cents. The third shape, the modernistic flame, will find particular favor where fixtures of wrought iron, polychrome and fancy shapes are employed. It also is furnished in plain ivory, black on ivory, and rose on gold and lists at 50 cents.



Three New Lamp Shapes

Common Sense and Electricity

1. If protective covering has failed because of wear and tear, because of defect, or has temporarily become ineffective due to water-soaking, a dangerous shock may be received by a person with hands wet or damp who touches a metal socket, electrical appliance or anything connected with electricity while, standing on a wet floor, taking a bath, touching radiators, piping or other plumbing.

2. Secure use of molded composition or porcelain sockets in bathrooms, basements and all other damp locations. Use wall switches where possible. Approved sockets of moulded composition or metal sheath porcelain are recommended for use with extension cords.

3. Never leave electric irons on anything that will burn. Always use the metal stand or rest that is provided. Do not use lamp, iron or toaster to warm beds in the winter. Fires may be started by such misapplication of these devices.

4. Extension cords for connecting electrical household appliances or lamps should be handled care-

fully so as not to injure the protective covering of wires. Have cords repaired or replaced when they become worn.

5. Do not use your electrical equipment for playful experimenting or practical joking.

6. Additional wiring in your house should be installed only by a responsible electrician. Your best insurance is good wiring.

7. If a fuse, the electrical safety valve, blows out, you are overloading your wiring system or using a defective appliance. The trouble is not corrected by inserting a larger fuse. A fuse of the proper size is your protection against fires or accidents. Ascertain and correct the trouble before putting in new fuse.

8. Convenience outlets should be installed for connecting portable appliances. Screw base receptacles or outlets are no longer approved. Where they exist, equip them permanently with detachable screw base section of attachment plug or have your electrician replace them.

9. Place outdoor aerials to one side and not crossing over or under power supply wires. A radio aerial which has fallen against power wires is probably alive, regardless of weatherproof covering on power wires. Disconnect power supply from your radio before you do any work on your set.

10. Fallen wires on streets or highways may be alive. Avoid them. Notify the electric light and power company.



Exterior View of the Station

The New State Line Generating Station

World's Largest Turbine-Generator Unit Operating Successfully

THE operation of the largest electric generating turbine unit in the world, made by our Company at the Schenectady Works, was recently announced by the State Line Generating Company, of Hammond, Ind.

This initial unit, which supplies electrical energy in wholesale quantities to the companies serving the Chicago metropolitan district, has a capacity of 208,000 kilowatts. This unit is more than double the capacity of any other generating unit in the middle west. The one unit of the State Line generating station furthermore surpasses the total capacity of any other generating station in this section of the country with the exception of two stations in Chicago. One of these contains 6 generating units and the other 14 units.

This huge new station is located on the shore of Lake Michigan on the Indiana side of the Indiana-Illinois state line, just outside the Chicago city limits. It is interconnected with other generating stations in the Chicago metropolitan district. This makes one of the great interconnected power systems of the world, with a total capacity of 1,517,700 kilowatts.

Stock of the generating company is owned either di-

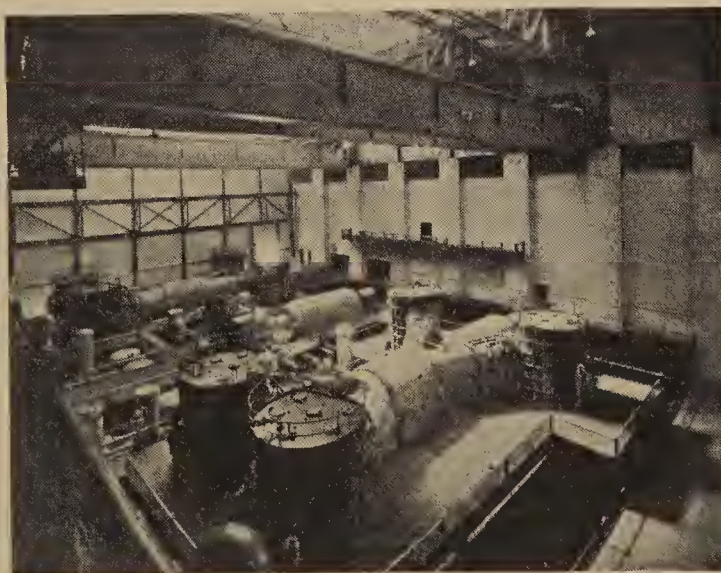
rectly or through subsidiary corporations by the Commonwealth Edison Company, Public Service Company of Northern Illinois, Northern Indiana Public Service Company, and Interstate Public Service Company. These companies have contracted for the entire output of the station. The generating company wholesales electrical energy to its owning companies at its property line. The electric service companies then transport it over their transmission lines to distribution centers from which it is carried over their distribution lines to customers.

The building housing the boiler room and the turbine room is 308 by 210 feet. Adjoining this building

is the outdoor switch yard 290 feet long and 250 feet wide. The highest part of the building is 104 feet and the two steel smokestacks stand 250 feet high. They are 18 feet wide at the top. Pulverized coal is used, and more than two tons of coal are consumed per minute by steam generation when the unit is in full operation, and 380,000 gallons of circulating water are used per minute. This water, which is used for condensing purposes, is pumped from the lake and discharged back into the lake at about 10 degrees higher temperature.

The 208,000-kw. triple cross-compound turbine-generator consists of one 76,000-kw. high-pressure element, and two 66,000-kw. low-pressure elements. The high-pressure element is in the center and exhausts through steam reheaters into the two low-pressure elements, each of which is of double-flow construction and drives a 62,000-kw. main generator and a 4000-kw. service generator. All three turbines operate at 1800 r.p.m., and the main generators are wound for 22,000 volts. Eight vertical condensers are required for the complete turbine.

An idea of the rapid development of the electric light and power business in and



View of the Turbine Room

around Chicago may be gathered from the fact that less than six years ago, the largest generating unit in that section of the country had a capacity of 37,500 kw. Since that time, however, larger units have been installed.

The turbine is designed for an initial pressure of 600 pounds, and an initial temperature of 730 degrees F. After passing through the high pressure element, the steam is re-heated to 500 degrees F. before entering the low pressure elements.

The growth in capacity of turbine-generators is emphasized by the fact that the 5000-kw. Fisk Street turbine, built in 1903, was ten times larger than turbines previously built. The 208,000-kw. turbine added to the Chicago District is about 42 times larger than the Fisk Street turbine, or 420 times larger than the turbines built previous to 1903.

The State Line station has another interest to G-E employees, in addition to the fact that its mammoth turbine is a G-E product. It has been frequently said that the substantial character of G.E. Employees Securities Corporation bonds—which maintain their value in spite of stock market depressions—is due to the strength of the companies by whose securities they are backed. The Securities Corporation owns securities of those various power companies which together financed the State Line Company. In a way, therefore, holders of Securities Corporation bonds have an interest in this newest and finest power station.

Death Benefits Paid and Disability Benefits Allowed Under Group Insurance Plan

Month of October, 1929

Death Claims								
Years	Date of death		Employees	Age	Bene- ficiary	Free Ins.	Bene- ficiary	Add'l Ins.
<i>Schenectady Works</i>								
16	Aug.	30	Richard S. Emmet.....	66	Estate	Yes	Niece	Yes
7	Aug.	30	Orazio DeCaro.....	48	Son	Yes	Wife	Yes
8	Sept.	14	Edith M. Hungerford...	37	Brother	Yes		
33	Sept.	27	August A. Sartoris.....	51	Wife	Yes	Wife	Yes
10	Sept.	28	Walter A. Case	53	Wife	Yes	Wife	Yes
22	Oct.	7	Christ C. Benkert.....	54	Wife	Yes		
33	Oct.	10	Stephen S. Schultz.....	67			Daughter	Yes
2	Oct.	13	William Mulligan.....	27	Aunt	Yes	Aunt	Yes
4	Oct.	21	William Kerr.....	46	Wife	Yes	Wife	Yes
21	Oct.	21	Charles E. Sherman.....	68	Wife	Yes	Wife	Yes
<i>River Works</i>								
11	Oct.	4	Calvin B. Ela.....	60	Wife	Yes	Wife	Yes
<i>Pittsfield Works</i>								
20	Aug.	18	Axel R. Oden.....	55	Estate	Yes	Estate	Yes
21	Oct.	17	Harry K. McLean.....	49	Wife	Yes	Wife	Yes
28	Oct.	29	Patrick T. Morin.....	64	Wife	Yes	Wife	Yes
<i>Erie Works</i>								
10	Aug.	14	William V. Cadmus....	67	Wife	Yes	Wife	Yes
6	Aug.	14	Frank A. Roberts, Jr....	27	Wife	Yes	Wife	Yes
3	Oct.	7	George L. Newdorfer....	47	Wife	Yes	Wife	Yes
<i>Fort Wayne Works</i>								
2	Aug.	17	Alfons Lamprecht.....	38			Mother	Yes
12	Oct.	6	Harry J. Andrews.....	39	Wife	Yes	Wife	Yes
<i>Merchandise Department</i>								
6	Oct.	10	Prospero Baldini.....	54	Wife	Yes	Wife	Yes
<i>General Office</i>								
42	Oct.	12	Wallace S. Clark.....	65	Wife	Yes	Wife	Yes
<i>Atlanta Office</i>								
1	Sept.	9	James J. Bright.....	20	Sister	Yes	Sister	Yes
<i>Philadelphia Office</i>								
11	Oct.	11	Frank W. Greenslete....	54	Sister	Yes	Sister	Yes
<i>Los Angeles Office</i>								
5	Oct.	12	Edith G. Crome.....	40	Husband	Yes	Husband	Yes
<i>Incandescent Lamp Department</i>								
7	July	27	Harry G. Morris.....	43	Wife	Yes		
9	Sept.	28	Thomas O'Malia.....	73	Wife	Yes	Wife	Yes
6	Oct.	7	Alma V. Luman.....	24	Mother	Yes	Mother	Yes
20	Oct.	21	John P. Seelig.....	55	Wife	Yes	Wife	Yes

(Continued on page 12)



In Ye Goode Olde Days

Proper Training Forestalls Unemployment

By C. M. RIPLEY

WE hear a good deal about men who have been thrown out of jobs by machines. Of course, some skilled workers have been thrown out of jobs by machines, but most of the people who have lost their jobs in that way have been the unskilled workers. The electric hoist in the construction of the skyscrapers has put a lot of hod carriers out of business, but who in the world would want to be a hod carrier on a 50-story building anyway?

The big electric shovel that lifts up tons of dirt at every bite displaces unskilled laborers with shovels.

The ore-handling devices that unload the iron ore from the big hoists on the Great Lakes displace a lot of men who used to work with wheel-barrows.

The electric motors that now work the drills in the oil fields have made some fellows lose their jobs.

But it is safe to say that the more skilled a man is, the less likely he

is to lose his job because of machinery.

Office Same as Shop

And likewise in office work, the man with the best training is less likely to lose his job due to some improved methods, machines, etc. The old bookkeepers that used to sit on high stools and bend over a desk while they added columns of figures have largely been supplanted by skilled accountants using adding machines or cashiers using registers, etc., etc. But an expert in corporation finance, auditing, control, etc., will never lose his job through machines.

So the thing for a young man to look out for now is to make sure that when he gets a job, he takes up a line of work in which no machine can compete with him. A proper training in advance, shortly after he quits school, will go a long way toward putting him in a secure position for the future.

Stock Split Proposed

AT the monthly meeting of the Board of Directors of our Company on December 6, it was voted to submit to the stockholders of the Company, at a special meeting on January 15, 1930, a proposition to change the present 7,400,000 shares of authorized common stock without par value into 29,600,000 shares of common stock without par value. In other words, each present share will be divided into four shares. Provided the stockholders authorize the change, it is proposed to pay in April, 1930, a quarterly dividend on the new common stock of 40 cents per share in cash, or \$1.60 per year (equivalent to \$6.40 per year on present common stock). An affirmative vote of two-thirds of the outstanding common stock is required to authorize the change. The Board of Directors have recommended the plan to make the stock available for much wider distribution, and have authorized a payment of \$1.50 on present common stock to stockholders of record December 16.



When Winter Hits the Power Station

Death and Disability Benefits

(Continued from page 10)

	No.	Free Insurance Amount	Add'l Insurance No.	Amount
Claims paid month of October, 1929.....	26	\$28,314.80	25	\$46,000
Claims paid previously reported 1929....	286	330,526.33	268	443,000
Total claims paid 10 months, 1929.....	312	\$358,841.13	293	\$489,000

Disability Claims				
Years	Date of Grant	Employees	Age	Add'l Ins.
<i>Schenectady Works</i>				
11	Oct. 8	George N. Beck.....	57	Yes
35	Oct. 9	Frank Strickland.....	59	Yes
2	Oct. 25	John J. Lisowicz.....	31	Yes
<i>River Works</i>				
15	Oct. 1	Joseph C. Savard.....	35	Yes
<i>Pittsfield Works</i>				
11	Oct. 25	Gerard Salzarulo.....	56	Yes
<i>Philadelphia Works</i>				
3	Oct. 5	James Burris.....	44	Yes
Disability claims granted October, 1929.....				6 \$9,000
Disability claims previously reported, 1929....				5 \$4,900 40 63,000
Total disability claims granted 10 mos., 1929... 5				\$4,900 46 \$72,000
Total Death and Disability Claims paid since Jan. 1, 1920				\$5,426,119

Stage Electrician Now Has Place Up Front

WITH the opening of Chicago's new Civic Opera House, the stage electrician has really come into his own. Instead of remaining hidden and unknown backstage, he will take his place in front with the musical director.

In front of the curtain, the lighting operator will control the stage and house lighting as easily and as intelligently as the orchestra conductor now directs the orchestra. In front and on each side of him will be arranged dials, knobs, tumbler switches, indicating lights, etc., a new scheme of lighting designed by G-E engineers. By the mere turning of a single knob all the complexities of stage lighting will be controlled, lights of various colors fading and brightening at various points and at the proper moments. Scenes requiring complex lighting effects such as sunsets, sudden thunderstorms, ballets, etc., will require no more effort in their control than is required to flick a lighting switch in the home or to turn a door knob.

The lighting operator and his control devices will be located in a booth from which he can see all of the lighting on the stage and will be equipped with a periscope through which he can see all of the lighting in the auditorium proper.

The success of this unique system of lighting control cannot be attributed to any one individual in the Company. It is rather the result of the close coöperation of six widely separated Works in the Company and of about ten different Designing Engineering Depts. in these Works.

Persons from the various Works who did outstanding work in connection with the installation are:

Fort Wayne Works—C. A. Chase, Transformer Engineering Dept.; R. W. Groot, Fractional H.P. Motor Engineering Dept.; A. J. Rose, Supt. of Production, Frac. H.P. Motor Division.

Philadelphia Works—John Ingberg, requisition engineer; H. B. LaRoque, general switching design engineer; G. A. Livingston, switching equipment designer; R. M. Summers, wiring designer; W. A. Hight, Production Dept.; E. E. Peters, foreman Misc. Apparatus Assembly; M. A. Brown, foreman, Manual Panel Fabrication; A. G. Bancroft, foreman, Manual Panel Assembly; W. C. Rextrew, Engineering Dept.

River Works, West Lynn—F. J. Rudd, asst. engineer, Stationary Motor Eng. Dept.

Schenectady Works—R. O. Dunham, Marine & Aircraft Engineering Dept.; C. T. Hentschel, Marine & Aircraft Engineering Dept.; C. A. Rhein, gen. foreman, Contactor Dept.; Henry Nicholas, foreman, Contactor Control Dept.; Jos. Holslag, assembler, Contactor Control Dept.; W. E. McNearney, Contactor Control Production Dept.; A. Dettbarn, Contactor Control Production Dept.; A. E. Bailey, Jr., Industrial Dept.; F. R. Elder, Research Laboratory.



From Commander Byrd

GIRLS' SECTION



At the Elex Club Japanese Party

A Record of Elex Events

The Roller Skating Party

ANOTHER happy Elex affair rolled away at Bell's Skating Rink on November 12. Every skate in the house was in use, in fact there were not enough skates to go around, as a crowd of 350 attended and only 249 pairs could be found. In their big-hearted way Elex Club threw down the bars and permitted all G-E employees and members of their families to attend, and many of them took advantage. Among the foremen who attended and incidentally helped to provide transportation for some of the Elex members were F. Korte, Bldg. 4-4; O. J. Meyers, Bldg. 4-2; C. Gettys, Winter St.; A. L. Foellinger, Bldg. 4-5; H. E. Hire, Bldg. 7-2, and I. H. Freeman, Bldg. 21.

The Japanese Party

One of the loveliest parties Elex Club has ever held was the Japanese party given on November 19. The north dining room in Bldg. 16-2 was transformed into a beautiful Japanese garden with boughs of cherry blossoms and Japanese lanterns. The girls flitting about in the subdued light attired in vari-colored pajamas and coolie coats made a charming picture.

Seated on cushions on the floor in true Japanese fashion, the group ate the delicious supper consisting of rice, chop suey, tea, rolls and butter, fruit jello and home-made cookies. Each girl received a bright-colored pompom as a favor.

Following the supper Mrs. Isabel Townn, accompanied by Mrs. I. H. Freeman, sang a number of selections. Mary Louise Truelove presented a charming toe dance, and a waltz-clog was given by Mary Frances Schultz and Paul Jack Gick. These three young dancers are pupils of the Violet Reinewald School of Dancing. Approximately 220 girls attended.

President Irene Meyers who was in general charge of arrangements had appointed the following girls to serve on a special decorating committee: Hilda Walda, Grace Smith, Grace Boegli, Lois Miller, Berniece Hartman, Marie Smith, Mildred Stewart, Oma Tharp, Louise Lawson and Marie Blough.

The Taffy Pull

One hundred and eighty Elex members gathered in Bldg. 16-2 on December 3 and were served a delicious supper at 5:30 p.m. Then an interesting program was presented.

Clifford Boggust, accompanied by Cara Gerardot, presented some tap dancing numbers, and Mr. Boggust and Miss Gerardot also did some tap dancing in unison with Virginia Bowman at the piano. Albert Simminger delighted the audience with some very select piano solos. All of these young people are in the Meter Dept. President Irene Meyers presided and in her unique way introduced each number on the program.

By this time the taffy was cool enough to pull and the fun began. Each girl appeared to be having the time of her life, and some of our Elex members are certainly experts when it comes to pulling taffy. The girls who had the job of making the taffy as well as the other home-made candy certainly should be able to qualify for jobs in any confectioner's shop. Hilda Walda superintended the making of the taffy. Hazel Newport, the chocolate fudge; Louise Hilger, the puffed rice balls; and Mary Armstrong and Louise Schmidt, the divinity fudge.

The next thing scheduled was the big G-E Club-Elex Christmas dance on December 16 for all G-E employees and their families. The plans for decorations included a

canopy formed of alternate strips of red and green crepe paper, a small Christmas tree at each of the four corners of the orchestra box which was to be placed in the center of the floor, Christmas bells, red and green serpentine, Christmas hats as favors and the presence of Santa Claus all in keeping with the holiday spirit. The G-E Club Orchestra was to furnish the music.

Ralph Dolan, as chairman, Paul Grimme, Ed. Koch and other firemen selected later, with Irene Meyers, Hilda Walda, Mary Thomas, Florence Case, Lois Miller, Esther Moll, Marie Blough and Louise Hilger, all served on the committee making the arrangements and having charge of the decorating.

Close on the heels of the Christmas dance, in fact the very next night, December 17, the Elex Christmas "Kid" party, with a Christmas tree, Santa Claus 'n everything was planned. This party was to be held in Bldg. 16-2 right after work, supper to be served at 5:30 and then the party. Each little girl or boy was to bring a 10 cent gift; these in turn were to be donated to help gladden the hearts of some *real* little boys and girls in less fortunate circumstances.

On January 7 will be the New Year Resolution Party, and on January 21 a bob-sled party, if the weather permits. Watch the bulletins and newspapers for information about these two events.

A Happy House Party

GLADYS Bucher, Meter Dept., took a few of her co-workers up to her cottage at Lake James for the week-end of October 26. They enjoyed every minute of the time boating, hiking and playing pinochle. Edith Jones, Alma Beaver, Agnes Beckman, Lucy Monroe, Adele Kuckuck and Alma Thiele were present to enjoy the hospitality of Miss Bucher.

Transformer Dept. Dinner Party

THE Assembly Section, Transformer Dept., Bldg. 26-1, gave a dinner party on November 22. The dinner was held at the noon hour in the department and the

table was temptingly loaded with good things to eat to which all of those present did ample justice.

Present were: Vera Haughton, Burdella Weleh, Trulie Nelson, Anna Schiek, Hazel Manor, Ollie Rich, Thelma Schwain, Mabel Sheets, Iva Sturman, Julia Lewis, Albert Miller, Clarence Wagoner, Charles Penn, Fred Labert, Claude Ellingwood and Arthur Stone-roek.

A Jolly Masquerade

ON October 29, 45 girls from the Transformer Dept., Bldg. 26-3, met at the home of Golda Mentzer, on Archer Ave., to participate in a masquerade party. Many and varied were the costumes, and it was difficult for the judges to decide which were best. But finally they came to a decision and awarded a prize to Pauline Jones for the prettiest costume, Theresa Benhower for the funniest and Berniece Shaaf for the ugliest. Singing of popular songs was a feature of the evening, and Nora Cooper favored the group with some Irish songs. Games were then played and prizes won by Theresa Benhower, Irene Heckber and Gertrude Thomas. A delicious luncheon concluded the evening.

The guests to enjoy this affair were: Mildred Oyer, Irene Heckber, Emma Myers, Irene McCune, Ruth Bengs, Theresa Benhower, Josephine Homberg, Wavelene Shules, Pauline Jones, Natalie Jones, Geneva Mills, Nellie Huff, Nora Cooper, Mildred Coverdale, Mary Jinks, May Wert, Bertha Anderson, Katie Jean, Bertha Keller, Elma Berger, Bessie Partee, Irene Plummer, Viola Trennepohl, Elizabeth Garrison, Fern Boseker, Berniece Sehaaf, Edna Warren, Elenore Baldwin, Rea Piper, Mildred Ream, Essie Brenneman, Lilly Johnson, Gertrude Thomas, Thelma Stevens, Pansy Ogeneoft and Elma Gieger.

Farewell Party

ON December 2, Mrs. Gertrude Bertsche entertained a group of co-workers in the Small Motor Dept., Bldg. 4-2, at her home on

Clayton Ave. The affair was a farewell surprise for Ruth Marhenke, Small Motor Dept., Bldg. 4-1, who is leaving soon to make her home in Natoma, Kansas. Bunco was played and prizes were awarded to Frances Alles and Ruth Marhenke.

The guests were: Mildred Shoemaker, Ida Wehmeyer, Marguerite Bailey, Ida Marhenke, Frances Alles, Ruth Marhenke and Mr. and Mrs. Jo Bertsehe.

Mrs. Nellie Berg Honored

ON November 29, Mrs. Martha Mitten entertained the girls of the Tabulating Section, Service Bureau, Bldg. 18-2, at her home 615 Kinsmoor Ave. The party was in honor of Mrs. Nellie Berg who left the Company on December 7. The hours were whiled away playing games, and prizes were won by Lillian Ford and Mrs. Nellie Berg. Later in the evening the hostess served a dainty luncheon. Present, besides the honor guest and hostess, were Bonnie Hildeman, Agnes Wehrle, Gertrude Allwardt and Lillian Ford.

Interesting Bits About Elex

ELEX meetings have proved to be so interesting that the girls just can't stay away from them. One hundred and twenty girls attended the November 12 meeting and the greater number signed for classes which started that night, and since that night a lot of new registrations have been received. The class in tap dancing is by far the most popular class with more than 80 pupils attending regularly. This class is taught by an instructor from the Violet Reinewald School of Dancing. The girls taking the class in Modernistic Art, taught by Frieda Shaffer, are learning to make many clever things. A great many of them make very acceptable gifts. The classes in Personality, taught by Mrs. Harry Hogan; bridge, by Irene Fox; and pinochle, by Mrs. Lillian Garrihan, all have a goodly number of students.

This year Elex Club contributed \$80 to the Needlework Guild, of which \$40 was expended for shoes and the remainder for garments. This is the largest amount that has ever been contributed by an Industrial Club in Fort Wayne.

GYM CLASS INSTRUCTOR

This is Carlton Kirbach, better known as "Kirby," the girls' gym class instructor. Girls, if you have never attended this gymnasium class, which meets every Thursday from 5:30 to 6:30 p.m., or if you started and then got out of the habit of coming, do not delay any longer.



One hundred and fifty Elex pins are now on order and will soon be on hand. These pins can be purchased through the personnel workers at a cost of \$1.15 each.

Elex Girls! If you wish to know what is going to happen next, just take a peep into the attractive year-books that have been distributed. We're sure from the variety of good times planned that you'll not want to miss a single one.

Elex Club is the largest this year that it has ever been—570 members up-to-date.

Girls' Basketball Team

The G-E girls' basketball team is looking forward to a heavy schedule this season. Several games already have been scheduled, with a number of others under consideration. Among the games scheduled are: Auburn High School at Auburn on December 13; the Hoosier-Cleveland preliminary on December 27; Auburn High School as G-E Club preliminary on January 3; St. Joseph's Hospital Nurses as Hoosier-Syracuse preliminary on February 3.

A lot of good basketball material has shown up for practice and the persons in charge feel very optimistic. The following girls have come out regularly to practice, and from them the team will be picked: Helen Oser, 4-4; Catherine DeArmitt, 26-2; Lenora Braden, 26-3; Hilda Walda, 4-1; Ruth Vaughn, 26-3; Lela Reidenbach, 17-2; Margaret Dailey, 17-2; Evelyn Maas, 26-4; Barbara Dirr, 17-2; Mary Copeland, 26-3; Nellie Copeland, 26-3; Geleah Mollenkopf, 26-3; Alice Braden, 17-2; Florence Edward, 26-2; Gladys Feaser, 26-4; Letha Guild, 16-3; Miriam Valentine, 4-1; Helen Fletcher, 4-3; Thyra Hevel, 18-2; Helen Heininger, 26-3; Mildred Leason, 26-3.

A number of other girls have come out for practice, but not often enough to be considered for the first team. Of course if there are any undiscovered basketball players who are too bashful to come out, let us know. We will send a special committee around. We will talk with tears in our eyes if necessary.

The Waterloo Independent girls' team and the Bryan City girls' team will be on our schedule, but the dates have not yet been decided upon.

Weddings

Schlenker-Boerger

The marriage of Flora Boerger and Carl Schlenker was solemnized on November 17. Rev. L. J. Dorneif officiated at the double ring ceremony at St. Peter's Lutheran Church near Decatur. The bride was attended by her sister, Della Boerger, as bridesmaid, and Theodore Buesching, a cousin of the groom,

was best man. Leona Dorneif was flower girl. Following the ceremony a wedding dinner was served at the home of the bride's parents, Mr. and Mrs. Otto Boerger, near Decatur. For the present Mr. and Mrs. Schlenker are residing with Mr. Schlenker's mother, Mrs. Lina Schlenker of 1317 Stophlet St., until their own new home at 1245 Foster Parkway is completed. Mr. Schlenker is in the Toolmaking Dept., Bldg. 26-5, and Mrs. Schlenker was formerly employed here.

Sivits-Croze

In a pretty ceremony at the home of the bride's parents, Mr. and Mrs. P. J. Croze, 1018 Swinney Ave., Wahneetah Croze became the bride of Merle Sivits on November 24. Rev. H. L. Miller officiated at the ceremony. Martha Belchner and Edward Oberkiser were the attendants. Mr. and Mrs. Sivits are now at home with Mrs. Sivits' parents. Mrs. Sivits is in the Frac. Hp. Motor Dept., Bldg. 4-3.

Kaliker-Gerardot

On November 26, Marie Gerardot and Edmund Kaliker, Transformer Dept., Bldg. 26-1, were united in marriage. The ceremony was performed by Rev. Henry A. Hoerstman of St. Andrew's Catholic Church. Mrs. Raymond Nommey, the bride's sister, attended as matron of honor and Edna Mae and Marie Kaliker, sisters of the groom, were bridesmaids. Norbert Kaliker attended his brother as best man and Raymond Nommey and Edward Henry were ushers. Immediately after the ceremony a wedding breakfast was served at the home of the bride's parents, Mr. and Mrs. August Gerardot, 2902 New Haven Ave. Later in the day Mr. and Mrs. Kaliker left on a wedding trip. They are now at home at 2802 New Haven Ave.

Miller-Heinze

Ethel B. Heinze, Frac. Hp. Motor Dept., Bldg. 4-1, and Alfred C. Miller, Refrigerating Machine Dept., Bldg. 27, were married on Thanksgiving Day, the ceremony taking place at the South Wayne United Brethren Church with Rev. W. O. Klopfenstein officiating. After the ceremony the young couple left on a wedding trip, and they are now at home in a newly furnished apartment on Wilt St.

Beerman-Stilwell

The marriage of Enid Stilwell, Transformer Dept., Bldg. 26-3, and Robert Beerman took place on Thanksgiving Day. Rev. W. O. Klopfenstein officiated at the ceremony. Mr. and Mrs. Beerman are residing with Mr. Beerman's parents, Mr. and Mrs. Charles Beerman, 4015 Piqua Ave.

Roy-Ullman

On November 30, the marriage of Alvada Ullman and Leo Roy was solemnized in the Cathedral of Immaculate Conception with Rev. Thomas M. Conroy officiating. The bride was attended

by Frieda Cohrs, Napoleon, Ohio, and Noah Ullman, of Toledo, Ohio, a brother of the bride was best man. A wedding dinner was served at the Catholic Community Center with covers laid for eight guests. Later in the day the couple left to spend a week in Chicago. They are now at home at 1122 Ewing St. Both Mr. and Mrs. Roy are in the Frac. Hp. Motor eDpt., Mrs. Roy in Bldg. 17-3, and Mr. Roy in Bldg. 4-4.

Handling Acid Carboys

A VARIETY of acids are used about our plant for cleaning and in the pickling and plating of parts that go into our products. These acids are purchased in containers called carboys, which are heavy glass bottles of about 15 gallons capacity, packed in mineral wool within a wooden case so that the neck of the bottle protrudes. These carboys are billed to us at \$5.50 each and we are credited with that amount when they are returned in good condition. Lately we have experienced considerable loss from breakage of these acid carboys due to carelessness on the part of some of our fellow employees in handling them.

Possibly some who handle these acid carboys may not appreciate the danger to themselves from carelessness in handling acids. In general acids may cause serious personal injury in four different ways.

First, by burns, through direct contact with the skin or eyes, or even through clothing which may have become saturated with the acid.

Second, by fume poisoning, from inhaling the fumes or vapor therefrom.

Third, by poisoning, from taking internally.

Fourth, by fires or explosions which may result from improper use or handling.

The first mentioned is probably the greatest hazard from the personal safety standpoint. Acid burns are very painful and slow to heal. Acid splashed in the face may cause disfigurement for life and if it strikes the eyes may cause blindness. For these reasons alone no one can afford to be careless in the handling of acids.

Fires and explosions may be occasioned by the chemical action of acids upon certain substances.

JUNIORS' PAGE

Dear G-E Juniors:

Christmas is so very near now—only four more days—and I imagine all of you are wondering just what good old Santa Claus will bring you. I'm very excited about the big Christmas Party which the G-E Club is giving for you Juniors, and I must tell you about it. It's to be on Saturday afternoon, December 21, from 12:30 until 5 o'clock, and it will be in the big G-E gym. There'll be a beautiful big Christmas tree, Santa will be there, there will be a balloon and a gift for each of you, and oh, so many, many clever and interesting things. But I'm not going to tell you about them, for that would spoil the surprise. Tell your daddy or mother to be sure and get you a ticket (the tickets are free), and then you can attend the party any time between 12:30 and 5 o'clock. I know you'll enjoy it, and I hope everyone of you can come, for it's going to be just heaps of fun.

Of course we have a Christmas puzzle this month, and I hope you will all have a good time solving it. Hidden in the Christmas picture are 18 Christmas gifts. If you find 12 of them we will count your answer correct.

Last month the prize winners were: Regina Gail Rasor, Lloyd Scare, Annabell Bahr, Donald Bernau and Bernice Etzler at Fort Wayne and Juanita Hilton and Marion Jackson at Decatur. Besides these I received jolly letters from: Albert Devaux, Eileen McNulty, Norman Stoller, Helen Meyers, Josephine Ruhl, Emilie Brockreide, Dorothea Prange, Geraldine Gidley, Carl Thomas, Elmar Devaux, Dorothy Gebhart, Robert Gebhart, Dorothy Jockel, Bernice Moore, Arno Schelper, Helen Houser, Thurman Long, Raymond Holben, Goldie and Evelyn Branning, Reba Ray, and Ruth Swank at Fort Wayne, and Ruth Raudebush, Kenneth Nyffeler, Betty Hama, Stephus Jackson, Catharine Jackson, Catherine Murphy, Romaine Raudebush and Leo Miller.



Goldie and Evelyn Branning

I was very much pleased to receive so many nice letters last month. I was sorry to learn that Annabell Bahr had been sick the latter part of October and had to have an operation, but happily her letter tells us she is beginning to feel well again. Goldie and Evelyn Branning sent me a picture of themselves, which I am delighted to have for this WORKS NEWS. Robert Gebhart was very busy, he says, last summer raising a big turkey and pumpkins to make pumpkin pies for the Thanksgiving dinner. Sephus Jackson mentions that he likes to play basketball and has been playing on the "kid" football team

at the school which he attends.

When you write this time won't you tell me how you liked the G-E Club Christmas Party and what you are planning to do on Christmas Day? I'll be anxious to hear from each one of you.

And now let me wish you all a Merry, Merry Christmas!

Sincerely,

Jill

Merry Christmas

Be well, be strong, have lots of fun,
Be generous to every one.
Get many books and games and toys;
Sing joyful songs, make happy noise.
Have lovely thoughts all kind and sweet;
Have pleasant things to taste and eat.
Give love to all, draw love to you;
Make friends a-many, fine and true,
From all your much give some away
For this is *Merry Christmas Day*.

December Song

December brings holly
All gleaming and glowing;
December is jolly
With sleighbells and snowing!
The whole world rejoices
Around the red ember,
And so with glad voices
Sing "Hail to December!"

The Spirit of Christmas

At Christmas time our hearts are bent
On jollity and merriment
A hustle-bustle fills the air
There's rush and tumble everywhere.
The shops are decked in glad array
With holiday greetings on display.
We hurry in and hurry out,
But what is it really all about?
The Spirit of Christmas, in a word implies
A thought for others that never dies,
It brings glad tidings of joy again,
Of "Peace on Earth—Good Will to Men."
HELEN RITTER LEAHY.



HOW MANY GIFTS CAN YOU FIND HIDDEN IN THIS PICTURE?

Apprentices Hold Outing

ON Saturday, October 19, about 125 apprentice students met at Franke Park for their third annual outing. Dinner was served immediately after the apprentices arrived at the park and the time thereafter was given over to team and individual contests in volleyball, baseball, football, horseshoe games, footraces and a tug-of-war. The committee on arrangements, consisting of Robert Hunt, chairman; James Ehresman, William Goerz, Gerald Knight, Adam Farrell, Gayle Roberts, Reinhold Lepper, Glenn Turnbull, George Owens, Walter Ballard, Richard Gallmeier, Melvin Dick and Harold Hillsmier, is to be commended for its efforts in making the outing a most enjoyable event.

200 Suggestion Awards

(Continued from page VI)

Robert J. Arnett, Bldg. 4-1, installation of bin with shelves under conveyor.

Robert J. Arnett, Bldg. 4-1, installation of bins to hold field bushings.

Robert J. Arnett, Bldg. 4-1, changes to insulation cabinet.

Roy H. Hively, Bldg. 19-1, ordering motors for print press drives with conduit boxes on correct side.

Edgar P. Ort, Bldg. 4-4, changes to certain operation cards to conform with the shop practice in Frac. Hp. Motor Division.

Imogene Briggs, Bldg. 4-1, equipping certain winding arbors with string clips.

Ray E. Dunlap, Bldg. 26-4, arranging air to keep tape from sticking to guides on machines.

Howard L. Poorman, Bldg. 4-1, changes to method of lubricating commutator press.

William L. Smith, Bldg. 4-1, supplying shield at stator welding.

Denzil G. Hasty, Bldg. 22, providing hold-down device at punch press and the use of scrap sheet iron for lining annealing trays.

Donald E. McAfee, Bldg. 26-2, use of addressograph plates for certain tags.

Albert Huxall, Bldg. 17-3, providing suitable shelving for wire.

J. F. Payton, Bldg. 26-2, use of motor-driven screw drivers on certain assembly operations.

William H. Owen, Bldg. 17-4, changes to certain rotor punches and dies to reduce the liability of breakage.

Paul D. Enders, Bldg. 18-2, providing sign at Payroll Dept.

John N. Smith, Bldg. 26-2, supplying commutator covers for certain motors.

Claude F. Daniels, Bldg. 20-1, changes to the control on ventilation blower.

Ellis R. Bleke, Bldg. 17-4, providing outlet receptacle near certain arbor presses.

Nolan Bachellar, Bldg. 11-A, providing extension to mica shears.

James F. Sarasien, Bldg. 19-4, transferring the riveting in and drilling of sealing pins on certain relay and demand meter bases to Dept. 432 in the Meter Division.

Gerald Mugg, Bldg. 19-4, changes to G-9 duplex movement mechanism in the Meter Division.

Russell G. Gibson, Bldg. 4-3, providing valves on shaving hoppers.

Gaylord Evans, Bldg. 26-2, inaugurating an educational campaign regarding the group bonus plan in the Transformer Division.

Dorris D. Proxmire, Bldg. 19-4, changes in the method of cutting certain rubber tubing used in the phonograph motor section.

S. F. Alspaugh, Bldg. 19-4, changes to T-8-B gears in Bldg. 19-4.

Theodore Branning, Bldg. 27, changes to certain operations in connection with the welding of the DR-5 evaporator plates.

D. K. Hart, Bldg. 19-3, providing guards at certain threading machines.

Richard Dornbush, Bldg. 26-4, supplying ring gauge for M-14 bearing bushing Drg. 3522763.

John A. Egolf, Bldg. 4-2, installation of sheet metal shelves at certain grinders.

R. E. Marquardt, Bldg. 20-1, changes to rheostat on welding panel.

Ralph Shaffer, Bldg. 20-1, rearranging grinder in Bldg. 20-1 as a safety precaution.

C. A. Ellingwood, Bldg. 26-1, changes to hi-potential testing equipment at sign lite and ignition test in the Transformer Division.

Russell A. Peabody Bldg. 17-2, changes to certain stacking fixtures.

Daniel F. Mee, Bldg. 26-1, changing to asbestos-covered wire in treating room ovens.

John E. Bendel, Bldg. 20-1, changes at switch panel.

William F. Henschen, Bldg. 8-1, installation of a shield on columns in 8-1 to reduce damage to wire.

Ray L. Mason, Bldg. 27, placing control switches on top of certain Gridley automatics.

George E. Allen, Bldg. 4-1, providing additional lighting facilities at test bench.

Paul G. Kirbach, Bldg. 26-1, inaugurating regular oiling schedules for certain cranes.

Glenn Robinett, Bldg. 22, installing glass in certain doors in Bldg. 22.

Louise Lawson, Bldg. 26-2, providing stop at the bottom of device used for splitting steel arbors.

Edward J. Barry, Bldg. 26-B, routine for notification of stock-keepers regarding defective material.

G-E Club Stages First City-wide Amateur Boxing Tournament

THIRTEEN bouts, in five different weight divisions, provided an evening of entertainment for the large crowd of fans that attended the city-wide amateur boxing tournament presented in the G-E Club gymnasium on November 19.

Nick Little, club boxing instructor, arranged the show of three-round bouts. All of the boys proved to be willing fighters, and whatever was lacking in professional skill was more than made up for in real action. There was not a real knockout registered, although there was a technical one, and a number of knockdowns.

The winner was decided in all but one bout, that between Adolph Brown and Charles Gatton, where the boys were so even at the end of the third round that another round was staged. At the end of the fourth the judges were still unable to name

a winner and declared the bout a draw.

The 115-pound division produced a good scrap when Tex Hartman met William (Red) Gatton in the semi-finals. Gatton had the better of the first two rounds, but the judges gave Hartman the verdict on the strength of a strong finish in the third round. Hartman had an easy time winning the championship from Gerald Christie, who had drawn a bye through the earlier matches, but only lasted two rounds.

The final bout of the evening proved to be the best, with Walter Coolman meeting F. W. Boseker for the 145-pound championship. Coolman was awarded the decision after a close and interesting battle.

Nick Ellenwood refereed all of the bouts, while E. A. Barnes and Chester Schiefer acted as judges. Winners in each division were awarded gold medals.

Results of all the matches follow:

115-pound Division: Tex Hartman (113) defeated L. A. Garrison (114); William Gatton (114) defeated Leonard Pequignot (110); Hartmann defeated Gatton (semi-finals); Hartmann defeated Gerald Christie (107).

126-pound Division: Charles Cline (126) defeated Goodsell Perry (132).

135-pound Division: Adolph Brown (140) Chas. Gatton (137), draw, 4 rounds.

145-pound Division: Walter Coolman (137) defeated Kerry Faulkner (140); Mike Walker (141) defeated Russell Runkle (137); F. W. Boseker (146) defeated Don Geller (142); Robert Hosler (149) defeated Francis McCauley (149); Boseker defeated Hosler (semi-finals); Coolman defeated Walker (semi-finals); Coolman defeated Boseker (finals).

160-pound Division: Geo. Patty won by default from Albert Hutchinson.

Wm. Weber Made Manager of Mazdas

Wm. Weber, Bldg. 4-1, has been appointed manager of the Mazda basketball team, the G-E entry in the Y.M.C.A. Industrial League, and is busy getting the last season cup-winning team lined up for another championship drive. Paul Gray, Bldg. 19-3, is coaching the squad and has had a large number of candidates. It is likely that the following players will be named for regular places: Virgil, Hutchins, Hegemier, forward; Long, center; Oman, Snyder, Mossburg, Holmes, guards. As some of these players were on last year's team, and the new selections look plenty good in practice, the team should register a majority of wins.

Inter-Dept. Basketball

Ten teams opened this popular Monday-Tuesday evening league in the Club gymnasium and promise a full schedule of interesting games. Three games are scheduled for Monday evenings, and two for Tuesdays. The first gets under way at 7:30. The contests are fast and clean, and maintain the interest of an increasing number of fans. The following teams comprise the league:

Team	Manager
Apparatus,	John Rogers, Bldg. 19-3
Apprentice	Paul Brinkroeger, 12-2
General Service	E. C. Huth, 20-1
G-E Squares	H. Kroeger, 2-3
Meter	Jos. Babos, 26-4
Payroll-Acctg.	Herb. Koch, 18-2
Small Motor	Wm. Weber, 4-1
Transformer	E. J. Zelt, 26-2
Wire and Insul.	Wm. Glenn, 7-2
Winter Street	Chas. Lammiman, W. St.

Y.M.C.A. Junior Basketball

The G-E Junior teams, in the Industrial and Commercial branches of the Y.M.C.A. Employed Boys League, have won all of their games and should take first half honors. Both teams have appeared in preliminaries to the G-E Club games.

Men's Gym Classes Enrolling New Members

The Wednesday and Friday evening gym classes are offering an opportunity for employees not only to keep fit after the discontinuance of outdoor activities, but also to learn the art of using the various pieces of gym apparatus.



Tony DeLagrange

The first period, from 5:30 to 6:30 is devoted to calisthenics and games. Indoor baseball, relay games, and races are just a few of the many competitive sports taught. From 6:30 to 7:30, exercise and practice is given on the horizontal and parallel bars, horse, and flying rings. Tumbling is also taught during this period.

"Tony" DeLagrange, instructor of these classes, is well qualified in gymnasium work. He is a member of the Y.M.C.A. leaders class, and has been a member of the team winning the State Championship during the past five years. Mr. DeLagrange is the possessor of 29 awards for various gymnasium events, and has taken second place in all-around events the last three years. He is also a member of the Fort Wayne Turners Gymnastic Team.

There are no dues or charges for these classes—merely equip yourself with a gym suit and shoes and report to the instructor.

Inter-Dept. Volleyball

Winter Street won the first round, finishing with a perfect record. Frac. Motor held second place, with Main Office, Meter and Small Motor tied for third. A change has been made in the teams for the second round. Drafting managed by R. L. Hupp, Bldg. 12-3, has taken the place of Transformer 2, and Winter Street 2, managed by Wm. Heller, will take over the G-E Squares booking.

First round finals:

	Won	Lost	Pct.
Winter Street	21	0	1.000
Frac. Motor	16	5	.762
Main Office	11	10	.524
Meter	11	10	.524
Small Motor	11	10	.524
G-E Squares	6	15	.285
Transformer 1	4	17	.190
Transformer 2	4	17	.190

Y.M.C.A. Volleyball

The first half was completed with games played November 13, and Bowser, last season's champion, again leads the

list of entries. Play will be suspended until after basketball season, when the second round will be scheduled.

Final standing, first round:

	Won	Lost	Pct.
Bowser	19	1	.950
Dudlo	15	5	.750
G-E	12	8	.600
Penna.	9	11	.450
Bowser 2	3	9	.250
Home Tel. Co.	2	18	.100

All About the Wrestlers

Frank Newport, Club wrestling instructor, has an ambitious class of future "Sonnenbergs" enrolled in the Wednesday — Friday evening periods at the gymnasium. Although the class has only been organized a short while, and most of the boys knew little about the sport, they have been drilled in the fundamentals of wrestling and can



Frank Newport

now display a number of the approved holds and throws. Newport is a competent teacher, having been schooled by some of the leading professionals, and has also appeared in numerous bouts throughout the country. The class is open to all employees, and while you may not aspire to championship caliber, the exercise will loosen up a lot of unused muscles.

G-E Club Basketball

G-E Club 8, Ft. Wayne Hoosiers 42

The G-E Club five was not equal to the Herculean task of stopping the mighty Hoosiers in their first appearance on the home court. Before a packed house the Hoosiers put on an exhibition of basketball seldom seen and it was not because the G-E five was so terrible that the score was what it was. The American Leaguers put up a defense impregnable, and an offense not to be denied.

Myers and Herbst worked well at forward positions and Slack made a fine impression in his first appearance at the pivot position. Holmes played his usual fine game at guard and Spahr held Saunders well in check. The G-E five were simply up against opposition much too strong for them, playing a brand of ball that would defeat any team in the country.

G-E Club 22, Richmond 31

The G-E Club stacked up against a team of former American league players at Richmond, and made a good showing against the veterans. Among the Richmond players were Gullion, former Purdue star, "Cookie" Cunningham, Ohio State and Jude Baesman, Rizio, Schwab and Christopher, all well known to basketball fans of the middle west.

SAFETY!
It's the Best Course to Follow

Myers led the G-E offense with four counters from the field, and a total of nine points. Slack counted twice, but none of the other G-E players were able to connect more than once. Cunningham was the big noise for Richmond, counting five baskets and two free throws, for eleven points. The feature of the contest was Slack's holding the giant Baesman scoreless while sinking two baskets himself.

G-E Club 25, Seneca Indians 22

The Seneca Indians of Buffalo, N. Y., threw an awful scare into the camp of the G-E Club, repeating their performance of last year with a late rally that almost overcame the early lead the Club had piled up. The Indians were a colorful outfit composed of real Indians, a fine bunch of fellows, who played a good clean game and proved popular with the fans.

The score at the end of the first half stood 15 to 11, each of the G-E players contributing a basket during the period. Meyers and Holmes led the Club attack with six points each, with Herbst following with five.

G-E Club 52, Wapakoneta 20

The G-E five had one of those "big nights" against Wapakoneta, on the latter's own floor, having things pretty much their own way.

Myers went wild, scoring seven baskets and three free throws for a total of seventeen points. Holmes also counted five baskets and two free throws for twelve points. Herbst and Spahr each counted four baskets. The score at the end of the first half was 27 to 12. The Wapakoneta team was made up of former high school stars and was not the same team formerly representing that city.

Myers Leads G-E Scores

Myers is leading the G-E players in individual scoring with a total of 35 points from 14 field goals and six free throws. Holmes follows closely with 25 points from the nine baskets and seven free throws. Spahr is third with six baskets and three free throws for a total of 15 points.

The individual scoring of the players follows:

	G	FG	FT	Total
Myers	3	14	6	34
Holmes	3	9	7	25
Spahr	3	6	3	15
Herbst	3	6	2	14
Slack	3	5	2	12
Wisner	3	2	0	4
Hamilton	3	0	2	2

Bowling Results

Foreman's League

TEAM STANDING AND AVERAGE

Team	W.	L.	Pct.	Ave.
DR-3.....	19	5	792	926
Tool Supply.....	16	8	667	896
Transformers.....	13	11	542	892
DR-5.....	12	12	500	885

Fire.....	12	12	500	879
Small Motor.....	11	13	458	895
Vitaphone.....	11	13	458	873
Meter.....	11	13	458	871
Wire and Insul.....	9	15	375	870
General Service.....	6	18	250	852

HIGH TEAM SCORE One Game

Transformer.....	1014
DR-5.....	1012
DR-3.....	993
Tool Supply.....	982
Small Motor.....	981

HIGH TEAM SCORE Three Games

DR-3.....	2931
Wire and Insul.....	2850
Small Motor.....	2850
Tool Supply.....	2824
DR-5.....	2794
Vitaphone.....	2772

INDIVIDUAL AVERAGES

Buuck.....	24	190	Foellinger.....	21	175
Huber.....	24	186	Boutwell.....	24	174
Hueber.....	21	184	Kabisch.....	24	172
Long.....	24	180	Szink.....	24	171
Knepple.....	24	178	Kelsey.....	24	170
Korte.....	18	177	Grimme.....	15	169

Inter-Dept. League

SECOND HALF SCHEDULE

	Alleys				
Jan. 6	4-3	2-1	8-7	6-5	
Jan. 13	7-5	8-6	3-1	4-2	
Jan. 20	8-1	4-5	6-2	3-7	
Jan. 27	2-7	6-3	4-8	5-1	
Feb. 3	6-4	1-7	2-5	8-3	
Feb. 10	5-8	3-2	7-6	1-4	
Feb. 17	1-6	7-4	5-3	2-8	
Feb. 24	8-7	6-5	2-1	4-3	
Mar. 3	3-1	4-2	8-6	7-5	
Mar. 10	6-2	3-7	4-5	8-1	
Mar. 17	4-8	5-1	6-3	2-7	
Mar. 24	2-5	8-3	1-7	6-4	
Mar. 31	7-6	1-4	3-2	5-8	
Apr. 7	5-3	2-8	7-4	1-6	

CODE

Team No. 1, Winter St., M. Bryan, Capt.
Team No. 2, Apparatus, T. Schlup, Capt.
Team No. 3, General Stores, R. Orff, Capt.
Team No. 4, Fire Dept., E. Miller, Capt.
Team No. 5, Athletic Dept., E. Harkenrider, Capt.
Team No. 6, Small Motor, F. Quinn, Capt.
Team No. 7, Meter Models, A. Knoll, Capt.
Team No. 8, Meter Dept., C. Auer, Capt.

Wire and Insulation League

SECOND HALF SCHEDULE

Teams	Dec. 18	Jan. 22	Feb. 12	Mar. 5
Mica vs. Paper..	9-10	11-12	9-10	11-12
Insul. vs. Rollers.	11-12	9-10	11-12	9-10
	Jan. 8	Jan. 29	Feb. 19	Mar. 12
Mica vs. Rollers.	9-10	11-12	9-10	11-12
Insul. vs. Paper..	11-12	9-10	11-12	9-10
	Jan. 15	Feb. 5	Feb. 26	Mar. 19
Mica vs. Insul...	9-10	11-12	9-10	11-12
Paper vs. Rollers.	11-12	9-10	11-12	9-10

TEAM STANDING AND AVERAGE

Team	W.	L.	Pct.	Ave.
Mica.....	20	7	741	829
Insulators.....	15	12	556	799
Paper.....	13	14	481	784
Rollers.....	6	21	222	766

HIGH TEAM—1 Game	HIGH TEAM—3 Games
Mica.....	990
Mica.....	2632
Insulators.....	2631

HIGH INDIVIDUAL 1 Game	HIGH INDIVIDUAL 3 Games
Hambrock.....	269
Buckles.....	234
Cowell.....	219
Hambrock.....	621
Buckles.....	610
Huffman.....	562

INDIVIDUAL AVERAGES

Buckles.....	27-182	Cowell.....	24-164
Hambrock.....	24-181	Huffman.....	27-164
Lallow.....	27-170	Lesh.....	12-163
Schultz.....	27-167	Glenn.....	24-161
Dewitt.....	27-166	Saaf.....	27-161

Meter League

TEAM STANDING AND AVERAGES

Team	W.	L.	Pct.	Ave.
Magnets.....	23	10	697	841
Elements.....	22	11	667	842
Seals.....	21	12	636	852
Terminals.....	17	16	515	835
Discs.....	17	16	515	825
Bases.....	16	17	485	843
Registers.....	16	17	485	828
Covers.....	15	18	455	855
Leads.....	14	19	424	840
Gears.....	13	20	394	849
Jewels.....	13	20	394	829
Pivots.....	11	22	333	828

HIGH IND. SCORE One Game

C. Rump.....	263
Voorhees.....	246
Jacobs.....	246
Castor.....	246
Erne.....	245
Hueber.....	244

HIGH IND. SCORE Three Games

Greek.....	662
C. Rump.....	650
Voorhees.....	647
Miller.....	646
Jacobs.....	642
Hueber, R.....	626
Reitdorf.....	626

HIGH TEAM SCORE One Game

Elements.....	983
Gears.....	971
Bases.....	966
Seals.....	961
Covers.....	958
Terminals.....	953

HIGH TEAM SCORE Three Games

Gears.....	2742
Seals.....	2717
Elements.....	2713
Bases.....	2673
Covers.....	2672
Leads.....	2661

INDIVIDUAL AVERAGES

Lawrence.....	33	192	Hueber.....	33	183
Voorhees.....	30	191	Neiman.....	33	181
C. Rump.....	33	190	Weick.....	33	180
Miller.....	33	184	Rietdorf.....	33	180
Jacobs.....	33	183	Haberkorn.....	33	178

Tool and Equipment League

TEAM STANDING AND AVERAGE

Team	G.	W.	L.	Ave.	Pct.
Dies.....	30	22	8	831	733
Special Machines...	30	20	10	838	667
Special Tools.....	30	20	10	821	667
Tool Supervisors...	30	14	16	810	467
Punches.....	30	14	16	805	467
Grinders.....	30	12	18	812	400
Jigs and Fixtures...	30	10	20	785	333
Machines.....	30	8	22	766	267

HIGH SCORE 1 Game

Jigs and Fixtures...	947
Punches.....	943
Dies.....	939

HIGH SCORE 3 Games

Special Machines...	2626
Punches.....	2616
Special Machines...	2590

HIGH SCORE 1 Game

Wollert.....	278
Schellhammer.....	256
Lankenau.....	242

HIGH SCORE 3 Games

Schellhammer.....	651
Hayes.....	631
Steward.....	613

INDIVIDUAL AVERAGES

Schellhammer.....	15	189	Rehm.....	9	179
Lankenau.....	30	188	J. Franke.....	24	177
Gerdon.....	21	183	Tennyson.....	30	175
Dicke.....	21	182	W. Franke.....	27	174
Hayes.....	24	179	Brenner.....	27	173

Scott Major League

Team	W.	L.	Ave.	High 1 G.	High 3 G.	Total Pins
G-E Club.....	21	6	996	1108	3105	26910
Bender Spec..	18	9	982	1080	3037	26522
Getz Mtrs...	14	13	928	988	2872	25073
Clown Cigarettes.....	13	14	920	1041	2981	24856
American Legion No. 47	11	16	913	1037	2899	24672
Hanson Spec.	4	23	898	974	2803	16166

Inter-Dept. League

Meter.....	16	8	939	1046	2933	22559
General Stores	14	10	940	1039	2927	22567
Apparatus...	14	7	940	992	2900	19741
Small Motor...	11	13	929	1050	2961	22318
Meter Models	11	13	923	1025	2932	22158
Winter St....	11	13	915	1072	2923	21977
Fire Boys....	10	11	920	1016	2987	22073
Athletic Dept.	6	18	890	1022	2762	21372

Transformer League

TEAM STANDING AND AVERAGE

Team	W.	L.	Pct.	Ave.
Bells.....	9	3	750	788
Ignition.....	7	5	583	796
Oil Testers.....	7	5	583	764
Sign Lighters.....	6	6	500	749
Capacitors.....	6	6	500	722
Potentials.....	5	7	417	727
Radios.....	5	7	417	725
Toys.....	3	9	250	744

HIGH IND. SCORE
One Game

Cox.....	255
Tagtmeyer.....	245
Fryback.....	241
Cook.....	233

HIGH IND. SCORE
Three Games

Cox.....	648
Tagtmeyer.....	633
Cook.....	606
Fryback.....	596

HIGH TEAM SCORE
One Game

Bells.....	886
Signlighters.....	867
Oil Testers.....	861
Ignition.....	849

HIGH TEAM SCORE
Three Games

Bells.....	2498
Ignition.....	2451
Oil Testers.....	2444
Toys.....	2304

INDIVIDUAL AVERAGES

Tagtmeyer... 21	192	Kronmiller... 21	173
Cox..... 21	187	Zelt..... 21	171
Cook..... 21	179	Pink..... 21	168
Fryback..... 21	179	Meeker..... 21	168
Schlatter..... 18	175	Gallmeyer... 21	168

Girls' League

TERM STANDING AND AVERAGE

Team	W.	L.	Ave.
Office.....	16	5	337
Fire Dept.....	15	6	340
Meter.....	14	7	334
Transformer.....	14	7	316
General Service.....	13	8	315
Refrigerator.....	11	10	321
Tool Supply.....	10	11	303
Apparatus.....	8	13	293

HIGH IND. SCORE
One Game

1. Lackey.....	225
2. Blake.....	212
3. Fox.....	185

HIGH IND. SCORE
Three Games

1. Lackey.....	619
2. Blake.....	556
3. Fox.....	519

HIGH TEAM SCORE
One Game

1. Fire Dept.....	437
2. Tool Supply.....	435
3. Transformer.....	415

HIGH TEAM SCORE
Three Games

1. Office.....	1123
2. Tool Supply.....	1121
3. Fire Dept.....	1109

Gecode Girls Plan Special
Christmas Party

PASSING up the usual Thanksgiving celebration the girls of the Gecode Club are planning just

that much better time in celebration of the Christmas holiday. Following in general the plans of former years the girls will meet immediately after work on December 18 in the club room for a real Christmas dinner and gift exchange. There are now 37 members in the club and it is expected that everyone who possibly can do so will be present at this event.

Firemen Hold Thanksgiving
Supper

ON November 26, the firemen of the local plant held their annual Thanksgiving banquet, the dinner being prepared by Mrs. Maude Dorwin and served in the dining room of the plant.

Following the dinner the election of officers for the ensuing year was held. The new officers are: Chas. Baxter, president; Sol Lord, vice president; Cal. Wait, sec. and treas. A rousing session of Fan Tan was the feature of the social hour which followed.

Weddings

Omlor-Fisher

Sadie Fisher, Winding Dept., and Jerome Omlor, Flange Dept., were married at St. Mary's Parsonage, on November 14, by the Rev. J. A. Seimetz. They now are at home to their many friends at 811 West Monroe St.

Pauline Andrews, Winding Dept., and Joseph Murtaugh, Bldg. 4-2, at the Broadway Plant, Fort Wayne, were married on November 21 by the Rev. J. A. Seimetz at St. Mary's Parsonage, Decatur.

Basketball

Basketball is going strong at Decatur Plant this season, the home games for the Club team filling to capacity the



C. Beery and H. Cochran end the Season in a Blaze of Glory

local High School gym where the games are played. The Decatur G-E band is co-operating with the athletes to make these games a treat for the spectators by furnishing music before the start and between periods of play.

The Decatur G-E Club team is one of the strongest in the history of local athletics. To date it has won their share of games and are not experiencing any trouble in booking good teams.

On November 18 the Berne A.C.'s were defeated on their home floor by the Decatur G-E team by the score of 38 to 29. Bell, Hill and Mylott were stars for the G.E., Bell leading in the scoring with 12 points.

On Tuesday, November 19, the team opened it's home season by dropping Bowser's of Fort Wayne by the score 36 to 32. That game was a genuine Bowser vs. G-E game with the fires of rivalry burning strong. Strickler, Bell and Hill were the scoring Aces for the Decatur G-E.

At Markle, November 21, Decatur's basketball-ship was wrecked. Through loss of players by way of personal fouls the Club's offensive was destroyed after leading the scoring through three-quarters of the game. The final score was Markle 44, G-E 33. Mylott and Bell did good work for the G-E team.

On November 29 Decatur G-E Club was host to the Fort Wayne Hoosiers who favored the local fans with an interesting exhibition game. In one of the cleanest games ever played in the local Gym (there were only four fouls during the game), the Hoosiers took the big end of the 58 to 28 score. Chadwick, center for the Hoosiers, scored 11 times from the field for high point man of the game.

On December 3 the Berne A.C.'s came to Decatur for a return game and more than took vengeance for the defeat G-E had handed them in the game on their home floor. When time was up the score stood Berne A.C.'s 20, Decatur G-E 12. With the exception of Kleinknight it seemed the local boys simply could not find the basket. Krick and Bell, the G-E guards, however, did their part as is evident from their opponent's low score. Everyone is anxiously awaiting the deciding game which will be played in Decatur probably during the second week in January. There is little doubt that such game will more than tax the seating capacity of the high school gym.



Olive Walters,
Secretary



OFFICERS OF THE GECODE CLUB
Bernila Omlor,
Treasurer



Iva Heller,
Vice-president



Alta Smith
President

A Holiday Greeting

In appreciation of the continued and increasing activity and the success attending the operation of the Fort Wayne Works in 1929, and the fine spirit of mutual trust and confidence which attends all our relations, I tender to all of my co-workers, for themselves and their families, good wishes for a Merry Christmas and a Happy and Prosperous New Year.

WALTER GOLL

Works Manager.



Cleveland's New Railway Terminal Is G-E Equipped

THIS GREAT \$60,000,000 station marks the latest advance in the electrification of union passenger terminals in America. It will be opened early in 1930.

Seven railway lines, all heavy passenger carriers, converge at Cleveland. Only an electrified terminal could carry the daily thousands of travelers to and from the heart of the city—with the necessary speed and convenience and with the comfort and smoothness demanded of modern railways.

Twenty giant electric locomotives, each eighty feet long and each able to haul seventeen 75-ton Pullman

cars, will be supplied with power by five 4000-hp. motor-generator sets. A single operator in the passenger station automatically controls the two power substations miles away.

All these new electric locomotives carry the General Electric monogram. So do the big motor-generator sets. So does the floodlighting system, which gives special distinction to the terminal tower. The same General Electric mark of dependability is also found on thousands of other electric products, such as MAZDA lamps and electric refrigerators—home necessities which promote health and comfort.

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